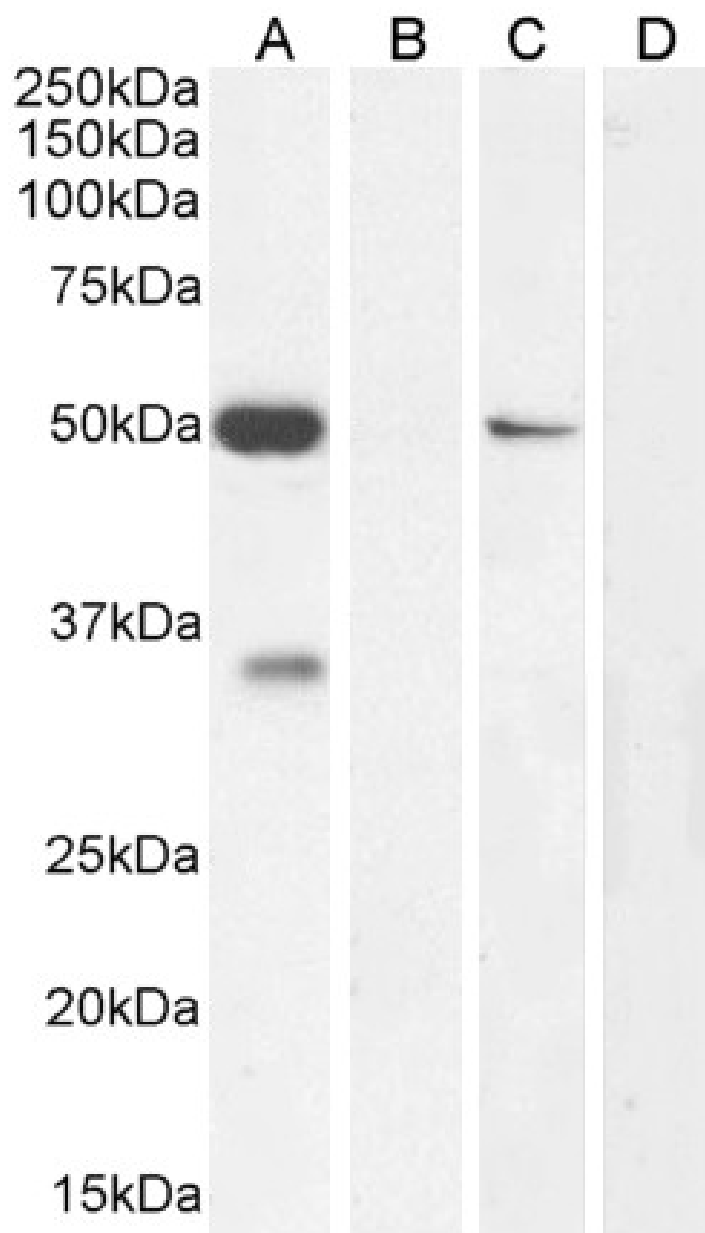


## GOAT ANTI-KCNN4 / KCA3.1 ANTIBODY

SKU: EB09785



## SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Formulation</b>           | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Unit Size</b>             | 100 µg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Instructions</b>          | Aliquot and store at -20°C. Minimize freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonym / Alias</b>       | KCNN4 SK4 putative erythrocyte intermediate potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4 KCA4 KCa3.1 intermediate conductance calcium-activated potassium channel protein 1 IKCA1 IK1 hSK4 hKCa4 hKCa1                                                                                                                                                                                                                                                               |
| <b>Names</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Usage Summary</b>         | <p><strong>Immunofluorescence:</strong> Strong expression of the protein seen in the cytoplasm/membranes of HeLa cells. Recommended concentration: 10µg/ml.</p> <p><strong>Flow Cytometry:</strong> Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.</p>                                                                                                                                                                                                                             |
| <b>Accession ID</b>          | NP_002241.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Blocking Peptide</b>      | EBP09785                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>             | Peptide with sequence C-ERQAVNATGHLSD, from the internal region of the protein sequence according to NP_002241.1.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Peptide Sequence</b>      | C-ERQAVNATGHLSD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purification Method</b>   | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Shipping Instructions</b> | Refrigerated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Predicted Species</b>     | Human, Mouse, Rat, Dog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reactive Species</b>      | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Human Gene ID</b>         | 3783                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Mouse Gene ID</b>         | 16534                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Rat Gene ID</b>           | 65206                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Product Grade</b>         | <a href="https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png">https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png</a>                                                                                                                                                                                                                                                                       |
| <b>IHC Results</b>           | Paraffin embedded Human Adrenal Gland, Kidney and Liver. Recommended concentration: 3.75µg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ELISA</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Detection Limit</b>       | Antibody detection limit dilution 1:16000.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Western Blot</b>          | Approx 50kDa band observed in Human Cerebellum lysates and in lysates of cell line NIH3T3 (calculated MW of 47.7kDa, according to Human NP_002241.1 and Mouse NP_032459.3). An additional band of unknown identity was also consistently observed at 35kDa in Cerebellum. This band was successfully blocked by incubation with the immunising peptide. Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.<br><strong>Negative Control:</strong> Human Adrenal Gland lysate. |
| <b>Application Type</b>      | Pep-ELISA, WB, IF, FC, IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## GALLERY IMAGES

