

# GOAT ANTI-CAPON / NOS1AP (INTERNAL) ANTIBODY

SKU: EB07119



## 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 Instructions</b>  | Aliquot and store at -20°C. Minimize freezing and thawing.                                                                                                                                                                                                                                     |
| <b>Synonym / Alias Names</b> | ligand of neuronal nitric oxide synthase with carboxyl-terminal PDZ domain C-terminal PDZ domain ligand of neuronal nitric oxide synthase (CAPON) C-terminal PDZ domain ligand of neuronal nitric oxide synthase 6330408P19Rik CAPON nitric oxide synthase 1 (neuronal) adaptor protein NOS1AP |
| <b>Accession ID</b>          | NP_055512.1                                                                                                                                                                                                                                                                                    |
| <b>Blocking Peptide</b>      | EBP07119                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>             | Peptide with sequence CNVFKSKKKSQ, from the internal region of the protein sequence according to NP_055512.1.                                                                                                                                                                                  |
| <b>Peptide Sequence</b>      | CNVFKSKKKSQ                                                                                                                                                                                                                                                                                    |
| <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>Human Gene ID</b>         | 9722                                                                                                                                                                                                                                                                                           |
| <b>Mouse Gene ID</b>         | 70729                                                                                                                                                                                                                                                                                          |
| <b>Rat Gene ID</b>           | 192363                                                                                                                                                                                                                                                                                         |
| <b>Product Grade</b>         | <a href="https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/aspiring_medium.png">https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/aspiring_medium.png</a>                                                        |
| <b>ELISA Detection Limit</b> | Antibody detection limit dilution 1:8000.                                                                                                                                                                                                                                                      |

**Western  
Blot**

Western Blot: Preliminary experiments gave bands at approx 50kDa and 35kDa in Human Brain (Frontal Cortex) lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 56.1kDa according to NP\_055512.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

**Application  
Type**

Pep-ELISA