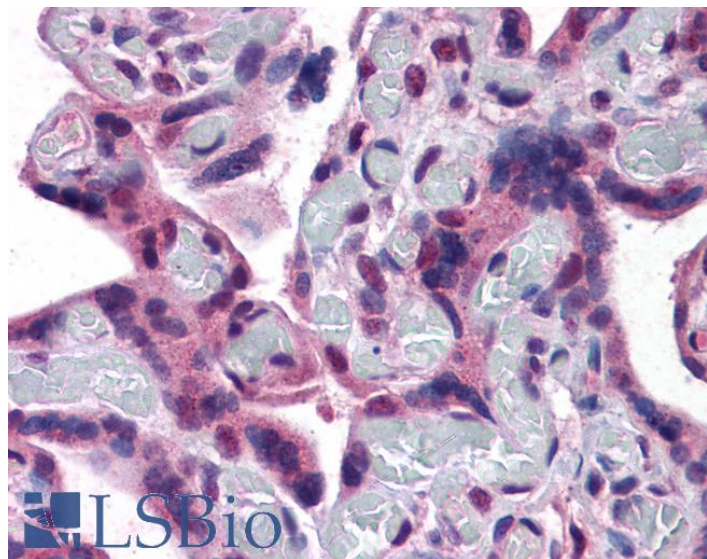


GOAT ANTI-TRPC4 ANTIBODY

SKU: EB08796



SPECIFICATIONS

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Unit Size 100 µg

Storage Instructions Aliquot and store at -20°C. Minimize freezing and thawing.

Synonym / Alias Names transient receptor potential 4|TRP4|MGC119573|MGC119572|MGC119571|MGC119570|HTRP4|transient receptor potential cation channel, subfamily C, member 4|TRPC4

Accession ID NP_057263.1; NP_003297.1; NP_001129427.1; NP_001129429.1; NP_001129428.1; NP_001129430.1

Blocking Peptide EBP08796

Immunogen Peptide with sequence C-KHAKEEDSSIDYD, from the internal region (near C Terminus) of the protein sequence according to NP_057263.1; NP_003297.1; NP_001129427.1; NP_001129429.1; NP_001129428.1; NP_001129430.1.

Product Comments This antibody is expected to recognise all six reported isoforms (NP_057263.1; NP_003297.1; NP_001129427.1; NP_001129429.1; NP_001129428.1; NP_001129430.1).

Peptide Sequence C-KHAKEEDSSIDYD

Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog, Pig, Cow
Reactive Species	Human, Mouse, Rat
Human Gene ID	7223
Mouse Gene ID	22066
Rat Gene ID	84494
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
IHC Results	Paraffin embedded Human Placenta and Kidney. Recommended concentration: 4.75µg/ml.
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	Approx. 110kDa band observed in Rat Brain lysates (calculated MW of 112kDa according to Human NP_057263.1 and to Rat NP_536321.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour. This antibody has been successfully used in Western blot on Mouse, PMID: 26316271 and PMID: 25016017. This antibody has been successfully used in Western blot on Human, PMID: 25016017.
Application Type	Pep-ELISA, WB, IHC

SELECTED REFERENCES

[{"pmid": 25016017, "intro": "**This antibody has been successfully used in Western blot on Human and Mouse:**", "title": "Cooperative signaling via transcription factors NF- κ B and AP1/c-Fos mediates endothelial cell STIM1 expression and hyperpermeability in response to endotoxin.", "author": "Auditi DebRoy, Stephen M. Vogel, Dheeraj Soni, Premanand C. Sundivakkam, Asrar B. Malik, and Chinnaswamy Tiruppathi.", "journal": "J Biol Chem. 2014 Aug 29;289(35):24188-201"}, {"pmid": 26316271, "intro": "**This antibody has been successfully used in Western blot on Mouse:**", "title": "Transient receptor potential channel 1 maintains adherens junction plasticity by suppressing sphingosine kinase 1 expression to induce endothelial hyperpermeability.", "author": "Tauseef M, Farazuddin M, Sukriti S, Rajput C, Meyer JO, Ramasamy SK, Mehta D.", "journal": "FASEB J. 2016 Jan;30(1):102-10"}]

DOCUMENTS

- [Data Sheet](#)

GALLERY IMAGES

