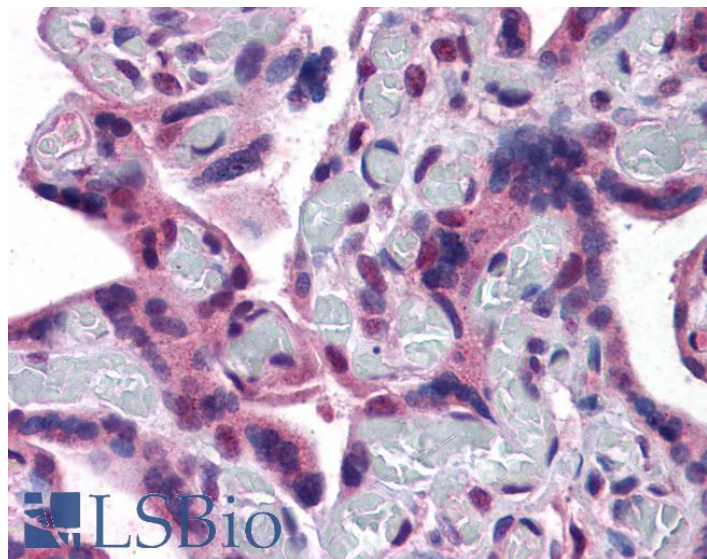


# GOAT ANTI-TRPC4 ANTIBODY

**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

<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, Pig, Cow
<b>Reactive Species</b>	Human, Mouse, Rat
<b>Human Gene ID</b>	7223
<b>Mouse Gene ID</b>	22066
<b>Rat Gene ID</b>	84494
<b>Product Grade</b>	<a href="https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png">https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png</a>
<b>IHC Results</b>	Paraffin embedded Human Placenta and Kidney. Recommended concentration: 4.75µg/ml.
<b>ELISA Detection Limit</b>	Antibody detection limit dilution 1:32000.
<b>Western Blot</b>	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.
<b>Application Type</b>	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- $\kappa$ 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

