

### **UK Office**

Everest Biotech Ltd Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries:

info@everestbiotech.com Sales: sales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: +44 (0)1869 238326

#### www.everestbiotech.com

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# EB09610 - Goat Anti-TPCN2 Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

Principal Names: TPCN2, two pore segment channel 2, FLJ41094, SHEP10, TPC2, two-pore calcium channel protein 2 Official Symbol: TPCN2 Accession Number(s): NP\_620714.2 Human GeneID(s): <u>219931</u>

#### Immunogen

Peptide with sequence C-EDELTERLSQHPH, from the C Terminus of the protein sequence according to NP\_620714.2.

Please note the peptide is available for sale.

# **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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

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

# **Applications Tested**

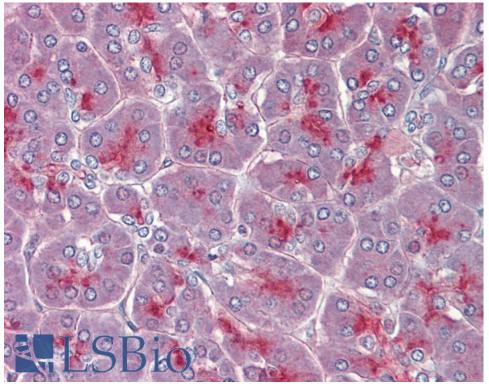
Peptide ELISA: antibody detection limit dilution 1:16000.

**Western blot:** Preliminary experiments gave an approx 30kDa band in Human Brain (Cerebral Cortex), Kidney and Liver lysates after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 85.2kDa according to NP\_620714.2. The 30kDa band was successfully blocked by incubation with the immunizing peptide.

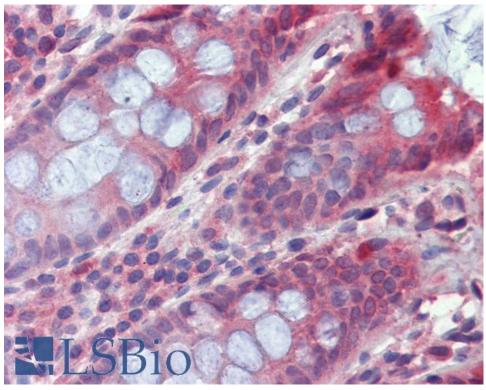
**IHC:** Paraffin embedded Human Pancreas and Colon. Recommended concentration: 3.75µg/ml.

#### **Species Reactivity**

Tested: Human Expected from sequence similarity: Human



EB09610 (3.75µg/ml) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB09610 (3.75µg/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.