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**Research Use Only. Not for
diagnostic or therapeutic use.**

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): [219931](#)

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.