

Goat anti-Transmembrane protein 37 Antibody

Item Number dAP-1233

Target Molecule Principle Name: Transmembrane protein 37; Official Symbol: TMEM37 ; All Names and Symbols: TMEM37; transmembrane protein 37; CACNG5; PR; PR1; voltage-dependent calcium channel gamma subunit-like protein; Accession Number (s): NP_899063.2; Human Gene ID(s): 140738; Non-Human GenelD(s):

Immunogen TNQTCFRDLGQ, is from internal region

Applications Pep ELISA

Species Tested:

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

Supplied As lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.

Peptide ELISA Peptide ELISA: antibody detection limit dilution 1 to 32000.

Western Blot Western Blot: Preliminary experiments gave an approx 26-28kDa band in Human Brain (Cerebellum, Frontal Cortex and Hippocampus) lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band.

IHC

Reference Reference(s): Burgess DL, Davis CF, Gefrides LA, Noebels JL. Identification of three novel Ca(2+) channel gamma subunit genes reveals molecular diversification by tandem and chromosome duplication. *Genome Res.* 1999 Dec;9(12):1204-

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**