

## Goat anti-TRPM7 / LTRPC7 Antibody

<b>Item Number</b>	dAP-0013
<b>Target Molecule</b>	Principle Name: TRPM7 / LTRPC7; Official Symbol: TRPM7; All Names and Symbols: TRPM7; transient receptor potential cation channel, subfamily M, member 7; CHAK; CHAK1; LTRPC7; FLJ20117; TRP-PLIK; LTRPC ion channel family member 7; homolog of mouse transient receptor potential-phospholipase C-interacting kinase CHaK hypothetical prote; Accession Number (s): NP_060142.3; Human Gene ID(s): 54822; Non-Human GenelD(s):
<b>Immunogen</b>	TKESESTNSVRLML, is from C Terminus
<b>Applications</b>	Pep ELISA, IHC Species Tested: Mouse
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 8000.
<b>Western Blot</b>	
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Mouse Brain shows neuronal staining in the Hippocampus. Recommended concentration: 4-6µg/ml.

**Reference** Reference(s): Nadler MJ, Hermosura MC, Inabe K, Perraud AL, Zhu Q, Stokes AJ, Kurosaki T, Kinet JP, Penner R, Scharenberg AM, Fleig A. LTRPC7 is a Mg.ATP-regulated divalent cation channel required for cell viability. Nature 2001 May 31;411(6837):590-5.PMID: 11385574->

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 ender users! This product is sold for **Research Use Only**