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DATA SHEET

Goat anti-DLG4 / PSD95 Antibody

Item Number

dAP-1833

Target Molecule

Principle Name: DLG4 / PSD95; Official Symbol: DLG4; All Names and Symbols: DLG4; discs, large homolog 4 (Drosophila); FLJ97752; FLJ98574; PSD95; SAP90; Tax interaction protein 15; discs large homolog 4; post-synaptic density protein 95; synapse-associated protein 90; Accession Number (s): NP_001356.1; NP_001122299.1; Human Gene ID(s): 1742; Non-Human GeneID(s): 13385 (mouse) 29495 (rat)

Immunogen

EEQARKAFDRATK, is from internal region (near C-Terminus)
This antibody is expected to recognize both reported isoforms (NP_001356.1; NP_001122299.1)

Applications

Pep ELISA, WB

Species Tested: Rat

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; Reconsititute 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 64000.

Western Blot

Western Blot: Approx 110kDa band observed in Rat Brain lysates (calculated MW of 80.5kDa according to Rat NP_062567.1).The observed molecular weight corresponds to earlier findings in literature with different antibodies (Chaudhury et al, , Am J Physiol

IHC

Reference

Reference(s): Marks DR, Fadool DA, Post-synaptic density perturbs insulin-induced Kv1.3 channel modulation via a clustering mechanism involving the SH3 domain. Journal of neurochemistry 2007 Nov 103 (4): 1608-27..PMID: 17854350->

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

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