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Research Use Only. Not for diagnostic or therapeutic use.

EB09300 - Goat Anti-DLG4 / PSD95 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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

Official Symbol: DLG4

Accession Number(s): NP_001356.1; NP_001122299.1

Human GeneID(s): 1742

Non-Human GenelD(s): 13385 (mouse), 29495 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_001356.1; NP_001122299.1)

Immunogen

Peptide with sequence C-EEQARKAFDRATK, from the internal region (near C-Terminus) of the protein sequence according to NP_001356.1; NP_001122299.1.

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: 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 Gastrointest Liver Physiol. 2009 Aug 13. PMID: 19679819).. Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

Species Reactivity

Tested: Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB09300 (0.3μg/ml) staining of Rat Brain lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.