



## UK Office

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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 GeneID(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



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