



Goat anti-GRIA4 Antibody

| | |
|------------------------|---|
| Item Number | dAP-1589 |
| Target Molecule | Principle Name: GRIA4; Official Symbol: GRIA4 ; All Names and Symbols: GRIA4 ; glutamate receptor, ionotropic, AMPA 4 ; GLUR4; GLUR4C; GLURD; AMPA-selective glutamate receptor 4; Accession Number (s): NP_000820.3; NP_001070711.1; NP_001070712.1; Human Gene ID(s): 2893; Non-Human Gene-ID(s): 14802 (mouse) 29629 (rat) |
| Immunogen | KKLDQREYPGSETP, is from internal region This antibody is expected to recognize all reported isoforms (NP_000820.3; NP_001070711.1; NP_001070712.1). Reported variants NP_001070712.1 and NP_001106283.1 represent identical protein. |
| Applications | Pep ELISA, WB, IHC Species Tested: Human |
| 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 128000. |
| Western Blot | Western Blot: Approx. 90 kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 99.2 kDa according to NP_001070711.1). Recommended concentration: 0.3-1µg/ml. |
| IHC | Immunohistochemistry: In paraffin embedded Human Cortex shows cytoplasm staining of neuronal cells. Recommended concentration, 5-10µg/ml. |
| Reference | Reference(s): Earnshaw BA, Bressloff PC. Biophysical model of AMPA receptor trafficking and its regulation during long-term potentiation/long-term depression. J Neurosci. 2006 Nov 22;26(47):12362-73..PMID: 17122061 -> |

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**