

Goat anti-AMPA1 / GLUR1 (aa264-277) Antibody

Item Number	dAP-2378
Target Molecule	Principle Name: AMPA1 / GLUR1 (aa264-277); Official Symbol: GRIA1; All Names and Symbols: GRIA1; glutamate receptor, ionotropic, AMPA 1; GLUH1; GLUR1; GLURA; GluA1; HBGR1; MGC133252; AMPA 1; AMPA-selective glutamate receptor 1; glur-1; glur-A; glur-K1; glutamate receptor 1; Accession Number (s): NP_000818.2; NP_001107655.1; Human Gene ID(s): 2890; Non-Human GeneID(s): 14799 (mouse) 50592 (rat)
Immunogen	KIMQQWKNSDARD, is from internal region This antibody is expected to recognize both reported isoforms (NP_000818.2; NP_001107655.1).
Applications	Pep ELISA, WB Species Tested: Human, Mouse, 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; 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 16000.
Western Blot	Western Blot: Approx 100kDa band observed in Human, Mouse and Rat Brain (Cerebellum) lysates (calculated MW of 102kDa according to NP_000818.2). Recommended concentration: 0.1-0.3µg/ml.
IHC	
Reference	Reference(s): Rumpel S, LeDoux J, Zador A, Malinow R. Postsynaptic receptor trafficking underlying a form of associative learning. Science. 2005 Apr 1;308(5718):83-8..PMID: 15746389->

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**