



Goat anti-Glycine receptor, alpha 1 (intracellular) Antibody

Item Number	dAP-2773
Target Molecule	Principle Name: Glycine receptor, alpha 1 (intracellular); Official Symbol: Glra1; All Names and Symbols: Glra1; glycine receptor, alpha 1; GLYRA1; glycine receptor 48 kDa subunit; glycine receptor strychnine-binding subunit; glycine receptor subunit alpha-1; glycine receptor, alpha 1 subunit; Accession Number (s): NP_037265.1; Human Gene ID(s): 2741; Non-Human GeneID(s): 14654 (mouse) 25674 (rat)
Immunogen	CLQAKDGISVKGAN, is from internal region The immunizing peptide represents part of the cytoplasmic domain. The antibody is not expected to cross-react with other glycine receptor alpha proteins.
Applications	Pep ELISA, WB Species Tested: 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 128000.
Western Blot	Western Blot: Approx 60kDa band observed in Mouse and Rat Testis lysates (calculated MW of 51.7kDa according to Mouse NP_065238.2). The observed molecular weight corresponds to the glycosylated form. Recommended concentration: 0.3-1µg/ml.
IHC	
Reference	Reference(s): Wang Q, Lynch JW. Activation and desensitization induce distinct conformational changes at the extracellular-transmembrane domain interface of the glycine receptor. J Biol Chem. 2011 Nov 4;286(44):38814-24..PMID: 21917927->

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**