

Goat anti-GRM2 Antibody

Item Number	dAP-2226
Target Molecule	Principle Name: GRM2; Official Symbol: GRM2; All Names and Symbols: GRM2; glutamate receptor, metabotropic 2; GLUR2; GPRC1B; MGLUR2; mGlu2; glutamate metabotropic receptor 2; glutamate receptor homolog; Accession Number (s): NP_000830.2; NP_001123535.1; Human Gene ID(s): 2912; Non-Human GeneID(s): 108068 (mouse) 24415 (rat)
Immunogen	KETAPERREV, is from internal region This antibody is expected to recognize both isoforms (NP_000830.2; NP_001123535.1).
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 16000.
Western Blot	Western Blot: Approx 30kDa band observed in Human Brain (Hippocampus) lysates (calculated MW of 27.5kDa according to NP_001123535.1). Recommended concentration: 1-3µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Cerebral Cortex shows membranous/axonal staining. Recommended concentration, 3-5µg/ml.

Reference Reference(s): So HC, Fong PY, Chen RY, Hui TC, Ng MY, Cherny SS, Mak WW, Cheung EF, Chan RC, Chen EY, Li T, Sham PC, Identification of neuroglycan C and interacting partners as potential susceptibility genes for schizophrenia in a Southern Chinese population. American journal of medical genetics. Part B,

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**