



## Goat anti-GRM7 Antibody

<b>Item Number</b>	dAP-1770
<b>Target Molecule</b>	Principle Name: GRM7; Official Symbol: GRM7; All Names and Symbols: GRM7; glutamate receptor, metabotropic 7; FLJ40498; GLUR7; GPRC1G; MGLUR7; mGlu7; Accession Number (s): NP_000835.1; NP_870989.1; Human Gene ID(s): 2917; Non-Human GeneID(s): 108073 (mouse) 81672 (rat)
<b>Immunogen</b>	NCKLTISGSKKEDT , is from internal region This antibody is expected to recognize both reported isoforms (NP_000835.1; NP_870989.1).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Approx. 100kDa band observed in Human Brain (Cerebellum) and in Mouse and Rat Brain lysates (calculated MW of 102kDa according to NP_000835.1). Recommended concentration 0.5-2µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Vadasz C, Saito M, Gyetvai BM, Oros M, Szakall I, Kovacs KM, Prasad VV, Toth R. Glutamate receptor metabotropic 7 is cis-regulated in the mouse brain and modulates alcohol drinking. Genomics. 2007 Dec;90(6):690-702. Epub 2007 Oct 23..PMID: 17936574->

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**