

Product datasheet for **AP01318PU-N**

Metabotropic Glutamate Receptor 7 (GRM7) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	mGluR7 antibody detects endogenous levels of mGluR7 protein. (region surrounding Lys389)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 102 kDa
Gene Name:	glutamate metabotropic receptor 7
Database Link:	Entrez Gene 2917 Human Q14831

Background: L glutamate is the major excitatory neurotransmitter in the central nervous system. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors that have been divided into 3 groups. Group III receptors include GRM7 and are linked to the inhibition of the cyclic AMP cascade. GRM7 has been reported to be expressed in active zones of presynaptic axon terminals in various regions of the brain, eye, and spinal cord.



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Synonyms: Metabotropic glutamate receptor 7, GPRC1G, MGLUR7

Product images:



Western blot (WB) analysis of mGluR7 antibody (Cat.-No.: AP01318PU-N) in extracts from Jurkat cells.