

Cat. No:	AB-84770
Conjugate:	Unconjugated
Size:	200 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	E.coli-derived human mGluR1/GRM1 recombinant protein (Position: R25-E466).
Reactivity:	Human, Mouse, Rat
Applications:	Western blot: 1:1000-1:5000 Immunohistochemistry (Paraffin-embedded Section): 1:500-1:1000 Immunofluorescence: 1:50-1:200 Flow Cytometry: 1-3ug/1x10 ⁶ cells, ELISA: 0.1-0.5ug/ml
Molecular Weight:	132 kDa
Purification:	Immunogen affinity purified.
Background:	This gene encodes a metabotropic glutamate receptor that functions by activating phospholipase C. L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The canonical alpha isoform of the encoded protein is a disulfide-linked homodimer whose activity is mediated by a G-protein-coupled phosphatidylinositolcalcium second messenger system. This gene may be associated with many disease states, including schizophrenia, bipolar disorder, depression, and breast cancer. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form:	Lyophilized, Add 200ul of water to obtain the final concentration of 1mg/ml.
Buffer:	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.01mg Na ₃ .
Storage:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

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