

## Anti-mGluR2 antibody



<b>Description</b>	Rabbit polyclonal to mGluR2.
<b>Model</b>	STJ94107
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	ELISA, IF, IHC
<b>Immunogen</b>	Synthesized peptide derived from human mGluR2
<b>Immunogen Region</b>	210-290 aa, Internal
<b>Gene ID</b>	<a href="#">2912</a>
<b>Gene Symbol</b>	<a href="#">GRM2</a>
<b>Dilution range</b>	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000
<b>Specificity</b>	mGluR2 Polyclonal Antibody detects endogenous levels of mGluR2 protein.
<b>Tissue Specificity</b>	Detected in brain cortex (at protein level). Widely expressed in different regions of the adult brain as well as in fetal brain.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Metabotropic glutamate receptor 2 mGluR2
<b>Molecular Weight</b>	95.568 kDa
<b>Clonality</b>	Polyclonal

<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:4594OMIM:604099</a>
<b>Alternative Names</b>	Metabotropic glutamate receptor 2 mGluR2
<b>Function</b>	G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. May mediate suppression of neurotransmission or may be involved in synaptogenesis or synaptic stabilization.
<b>Cellular Localization</b>	Cell membrane. Multi-pass membrane protein. Cell junction, synapse Cell projection, dendrite

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