

GluR-5 rabbit pAb**Cat#: orb768517 (Manual)**

For research use only. Not intended for diagnostic use.

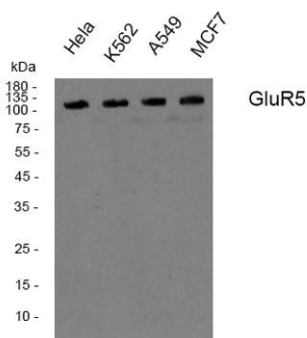
Product Name	GluR-5 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GluR5. AA range:10-59
Specificity	GluR-5 Polyclonal Antibody detects endogenous levels of GluR-5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Glutamate receptor ionotropic kainate 1
Gene Name	GRIK1
Cellular localization	Cell membrane; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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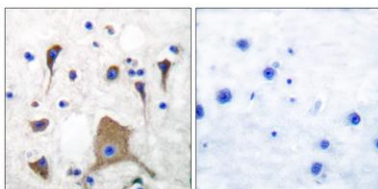
Concentration	1 mg/ml
Observed band	100kD
Human Gene ID	2897
Human Swiss-Prot Number	P39086
Alternative Names	GRIK1; GLUR5; Glutamate receptor; ionotropic kainate 1; Excitatory amino acid receptor 3; EAA3; Glutamate receptor 5; GluR-5; GluR5

Background

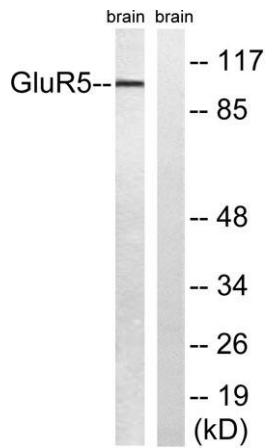
Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing (CAG->CGG; Q->R) within the second transmembrane domain, which is thought to alter the properties of ion flow. Alternative splicing, resulting in transcript variants encoding different isoforms, has been noted for this gene. [provided by RefSeq, Jul 2008],



Western blot analysis of GluR-5 Polyclonal Antibody, using HeLa, MCF7,k562,A549 cell, 4° over night, secondary antibody(cat: RS0002 was diluted at 1:10000, 37° 1hour.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using GluR5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from mouse brain, using GluR5 Antibody. The lane on the right is blocked with the synthesized peptide.