



GluR-5 rabbit pAb

Cat No.:ES5642

For research use only

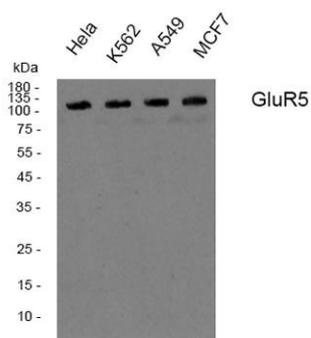
Overview

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
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



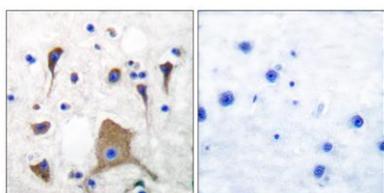


neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing (CAG->CGG; Q->R) within the second transmembrane domain, which 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],



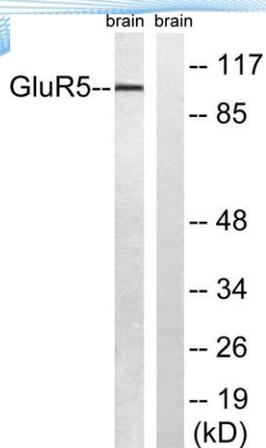
Western blot analysis of GluR-5 Polyclonal Antibody, using HeLa, MCF7, k562, A549 cell, 4° over night, secondary antibody (cat: RS0002 was diluted at 1:10000, 37° 1hour).

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





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



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