GluR-5 Rabbit pAb

CatalogNo: YT1925

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 100kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:40000
IF 1:50-200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

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.

Target Information

Gene name GRIK1

Protein Name Glutamate receptor ionotropic kainate 1

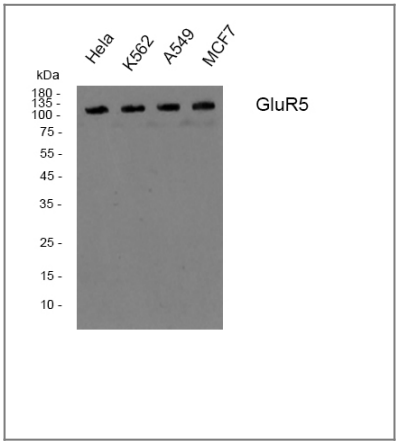
Organism	Gene ID	UniProt ID
Human	2897;	P39086;
Mouse		Q60934;
Rat	29559;	P22756;

Cellular Localization Cell membrane; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein.

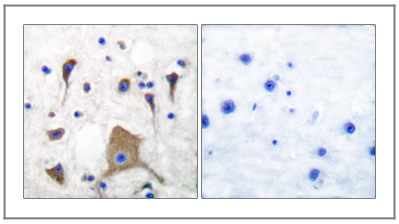
Tissue specificity Most abundant in the cerebellum and the suprachiasmatic nuclei (SCN) of the hypothalamus.

Function Alternative products:Additional isoforms seem to exist,Function:Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. May be involved in the transmission of light information from the retina to the hypothalamus.,miscellaneous:The postsynaptic actions of Glu are mediated by a variety of receptors that are named according to their selective agonists. This receptor binds domoate > kainate > L-glutamate = quisqualate > CNQX = DNQX > AMPA > dihydrokainate > NMDA.,RNA editing:Partially edited.,similarity:Belongs to the glutamate-gated ion channel (TC 1.A.10) family.,subunit:Homotetramer or heterotetramer of pore-forming glutamate receptor subunits. Tetramers may be formed by the dimerization of dimers (Probable). The unedited version (Q) assembles into a functional kainate-gated homomeric channel, whereas the edited version (R) is unable to produce channel activity when expressed alone. Both edited and unedited versions can form functional channels with GRIK4 and GRIK5.,tissue specificity:Most abundant in the cerebellum and the suprachiasmatic nuclei (SCN) of the hypothalamus.,

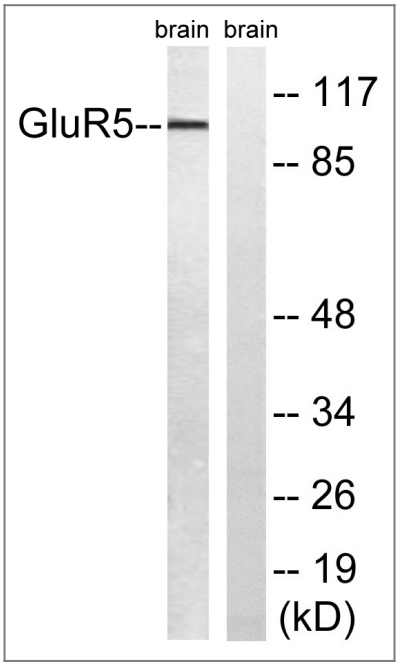
Validation Data



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.

Contact information

Orders:	order.cn@immunoway.com
Support:	support.cn@immunoway.com
Telephone:	400-8787-807(China)
Website:	http://www.immunoway.com.cn
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
GluR-5 Rabbit pAb