

GluR-3 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0625
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human GluR-3 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Glutamate receptor 3
Synonyms	GRIA3; GLUR3; GLURC; Glutamate receptor 3; GluR-3; AMPA-selective glutamate receptor 3; GluR-C; GluR-K3; Glutamate receptor ionotropic; AMPA 3; GluA3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA| R->G). Alternative splicing at this locus results in different isoforms, which may vary in their signal transduction properties.

Recommended Dilution

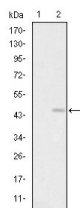
ELISA: 1:10000

IHC: 1:200 - 1:1000

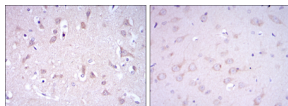
WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using GluR-3 Monoclonal antibody against HEK293 (1) and GluR-3-hlgFc transfected HEK293 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human brain tissues (left) and rat brain tissues (right) with DAB staining using GluR-3 Monoclonal antibody.

Storage

-20°C for one year

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