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Product datasheet for AM06645SU-N

GLUR3 (GRIA3) Mouse Monoclonal Antibody [Clone ID: 1D2]

Product data:

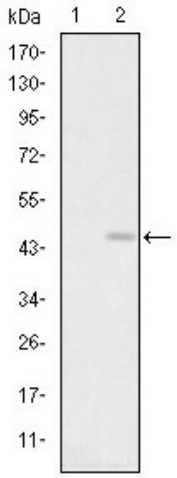
Product Type:	Primary Antibodies
Clone Name:	1D2
Applications:	ELISA, IHC, WB
Recommended Dilution:	**Western Blot:** 1/500 - 1/2000. **Immunohistochemistry on paraffin sections**: 1/200 - 1/1000. **ELISA**: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human GRIA3 expressed in E. Coli.
Specificity:	This antibody reacts to GRIA3.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	101 kDa
Gene Name:	glutamate ionotropic receptor AMPA type subunit 3
Database Link:	Entrez Gene 2892 Human P42263

View online »

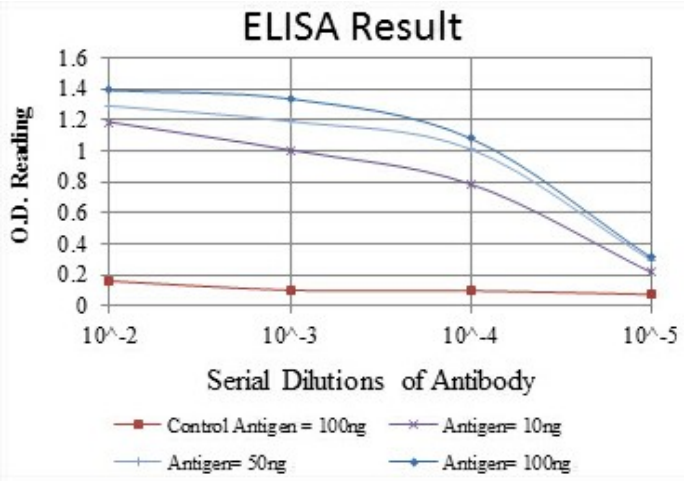
Background: Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. 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.

Synonyms: GluR-3, GluR-C, GluR-K3, Glutamate receptor ionotropic AMPA3, GRIA3, GLURC, GluA3

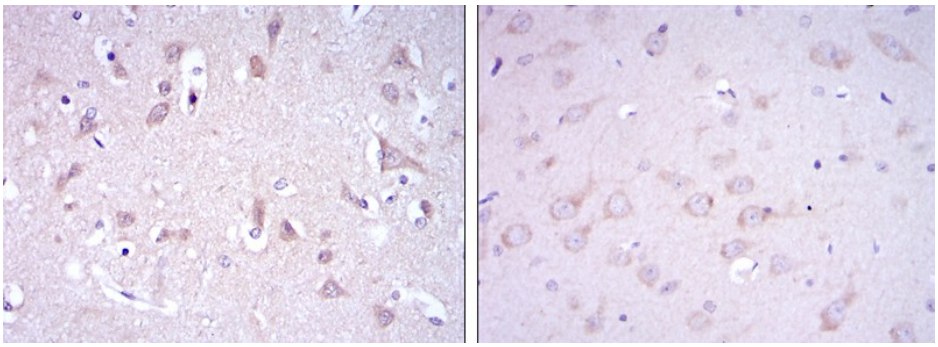
Product images:



Western blot analysis using GRIA3 mAb against HEK293 (1) and GRIA3 (AA: 683-824)-hIgGFc transfected HEK293 (2) cell lysate.



Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



Immunohistochemical analysis of paraffin-embedded human brain tissues (left) and rat brain tissues (right) using GRIA3 mouse mAb with DAB staining.