



GRIK3 mouse mAb

Catalog No	YP-mAb-12082
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GRIK3 GLUR7
Immunogen	Synthesized peptide derived from human GRIK3 AA range: 209-259
Specificity	This antibody detects endogenous levels of GRIK3 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EAA5;Excitatory amino acid receptor 5;GLR 7;GLR7;GLU R7;GLUR 7;GluR 7a;GluR-7;GluR7;GluR7a;Glutamate receptor 7;Glutamate receptor;Glutamate receptor ionotropic kainate 3;GRIK 3;GRIK3;GRIK3_HUMAN;ionotropic kainate 3;GRIK3 GLUR7
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein.
Tissue Specificity	
Function	function:Receptor for glutamate. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. 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 >> AMPA = NMDA.,RNA editing:Partially edited.,similarity:Belongs to the glutamate-gated ion channel (TC 1.A.10) family., subunit:Homomeric. Can also coassemble with either GRIK4 or GRIK5 to form heteromeric receptors. Interacts with PRKCABP.,



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. It is not certain if the subunit encoded by this gene is subject to RNA editing as the other 2 family members (GRIK1 and GRIK2). A Ser310Ala polymorphism has been associated with schizophrenia, and there are conflicting reports of its association with the pathogenesis of delirium tremens in alcoholics. [provided by RefSeq, Jul 2008],

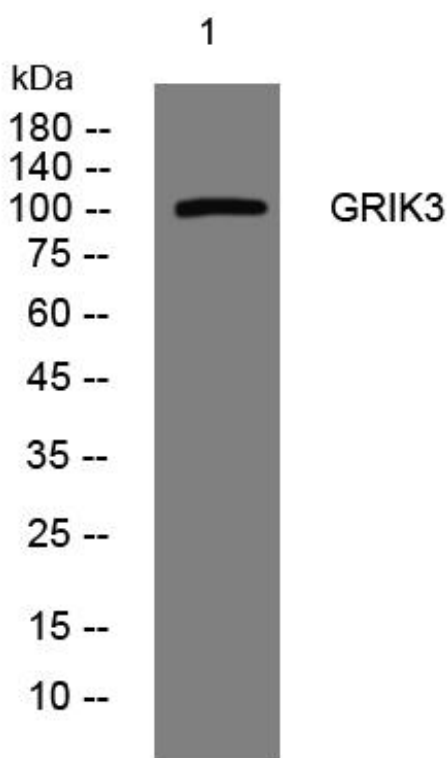
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using GRIK3 mouse mAb