

Datasheet for ABIN499926
anti-GRIK3 antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	0.1 mg
Target:	GRIK3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK3 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Grik3 antibody was raised against a 13 amino acid peptide near the amino terminus of the Human Grik3.
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	GRIK3
Alternative Name:	GRIK3 / GLUR7 (GRIK3 Products)
Background:	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. Grik3, also known as glutamate receptor 7, belongs to the kainate family of glutamate receptors,

Target Details

which are composed of four subunits and function as ligand-activated ion channels. Grik3 is highly homologous to the related ionotropic glutamate receptors Grik2 and Grik1. Grik3 has recently been shown to be an essential subunit of presynaptic kainate autoreceptors at hippocampal mossy fiber synapses as grik3-null mice show significantly reduced short- and long-term synaptic potentiation. Other reports have suggested that different polymorphisms in the Grik3 protein may be associated with neurological defects such as recurrent major depressive disorder and schizophrenia. Synonyms: EAA5, Excitatory amino acid receptor 5, GluR-7, Glutamate receptor 7, Glutamate receptor ionotropic kainate 3

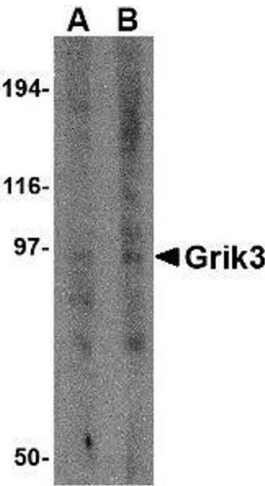
Gene ID:	2899
UniProt:	Q13003
Pathways:	Synaptic Membrane

Application Details

Application Notes:	ELISA. Western Blot: 1 - 2 µg/mL. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Western Blotting

Image 1. Western blot analysis of Grik3 in human brain tissue lysate with AP30383PU-N Grik3 antibody at (A) 1 and (B) 2 µg/ml.