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Datasheet for ABIN6990822  
**anti-GRIK3 antibody (N-Term)**

### Overview

Quantity:	0.1 mg
Target:	GRIK3
Binding Specificity:	AA 30-80, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	Grik3 antibody was raised against a 13 amino acid synthetic peptide near the amino terminus of the human Grik3. The immunogen is located within amino acids 30 - 80 of Grik3.
Isotype:	IgG
Purification:	Grik3 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	GRIK3
Alternative Name:	Grik3 ( <a href="#">GRIK3 Products</a> )
Background:	Grik3 Antibody: 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

## Target Details

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receptors, 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. This Grik3 antibody does not cross-react with Grik2.

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Gene ID: 2899

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UniProt: [Q13003](#)

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Pathways: [Synaptic Membrane](#)

## Application Details

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Application Notes: Grik3 antibody can be used for detection of Grik3 by Western blot at 1 - 2  $\mu$ g/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Grik3 Antibody is supplied in PBS containing 0.02 % sodium azide.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C, 4 °C

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Storage Comment: Grik3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.