

Anti-Grik3 Antibody

Catalog Number: A06927

About GRIK3

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, 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.

Overview

Product Name	Anti-Grik3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Grik3 Antibody (Catalog # A06927). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Grik3 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Grik3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q13003

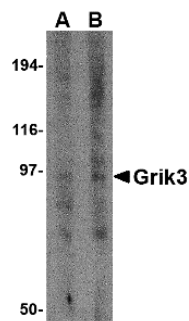
Technical Details

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.
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Grik3 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

Grik3 antibody can be used for detection of Grik3 by Western blot at 1 - 2 ug/mL.
Antibody validated: Western Blot in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Grik3 Antibody (A06927) Images



Western blot analysis of Grik3 in human brain tissue lysate with Grik3 antibody at (A) 1 and (B) 2 ug/mL.

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Anti-Grik3 Antibody

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