

Datasheet for ABIN2776118

anti-GRIK1 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	GRIK1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Horse, Cow, Dog, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of mouse GRIK1
Sequence:	IQTRWKHPSV DNRDLFYINL YPDYAAISRA VLDLVLYYNW KTVTVVYEDS
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against Grik1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	GRIK1
Alternative Name:	Grik1 (GRIK1 Products)

Target Details

Background:	<p>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. The subunit encoded by this gene is subject to RNA editing (CAG->CGG, Q->R) within the second transmembrane domain, which is thought to alter the properties of ion flow. Alternative splicing, resulting in transcript variants encoding different isoforms, has been noted for this gene.</p> <p>Alias Symbols: GluK1, GluK5, Glur5, Glur-5, D16lum24, D16lum24e, Glurbeta1, A830007B11Rik</p> <p>Protein Size: 589</p>
Molecular Weight:	64 kDa
Gene ID:	14805
NCBI Accession:	XM_006522921 , XP_006522984
UniProt:	Q8C825
Pathways:	Synaptic Membrane , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Western Blotting

Image 1. Host: Rabbit Target Name: Grik1 Sample Type: Mouse Thymus lysates Antibody Dilution: 1.0ug/ml

