Datasheet for ABIN7267420

anti-NMDAR2A antibody

4 Images

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Overview

Quantity:	100 µL
Target:	NMDAR2A (GRIN2A)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This NMDAR2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	NMDAR2A Rabbit mAb
Immunogen:	A synthesized peptide derived from human NMDAR2A
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	NMDAR2A (GRIN2A)
Alternative Name:	GRIN2A (GRIN2A Products)
Background:	This gene encodes a member of the glutamate-gated ion channel protein family. The encoded

Target Details

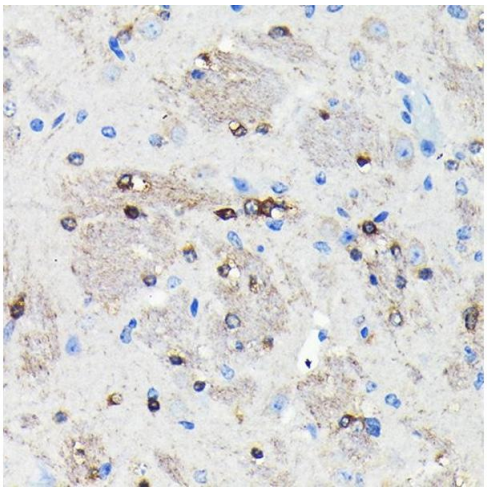
	protein is an N-methyl-D-aspartate (NMDA) receptor subunit. NMDA receptors are both ligand-gated and voltage-dependent, and are involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. These receptors are permeable to calcium ions, and activation results in a calcium influx into post-synaptic cells, which results in the activation of several signaling cascades. Disruption of this gene is associated with focal epilepsy and speech disorder with or without mental retardation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014],EPND,FESD,GluN2A,LKS,NMDAR2A,NR2A,GRIN2A,NMDA 2A,Neurodegenerative Diseases,Neurodegenerative Diseases Markers,Neurodegenerative Diseases_Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimers Disease,Neurodegenerative Diseases_Cerebralvascular accident,CVA,Neurodegenerative Diseases_Dopamine Signaling in Parkinsons Disease,Neuroscience,Other Neurological disorders,GRIN2A
Molecular Weight:	165kDa
Gene ID:	2903
UniProt:	Q12879
Pathways:	Synaptic Membrane, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

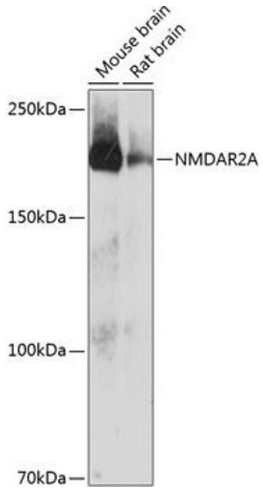
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



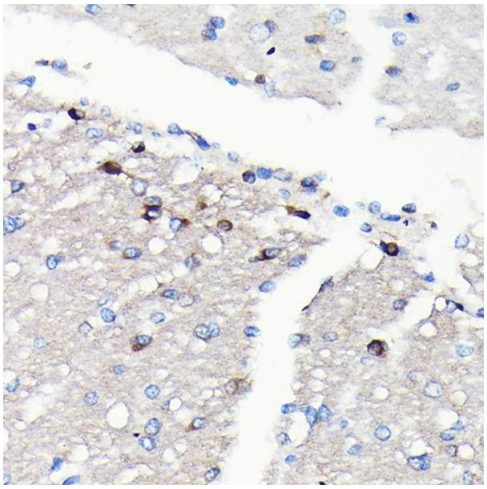
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse brain using NMDA Rabbit mAb (ABIN7267420) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using NMDA antibody (ABIN7267420) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 3 min.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat brain using NMDA Rabbit mAb (ABIN7267420) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 4 images are available for ABIN7267420.