

Datasheet for ABIN1681064
anti-NMDAR2A antibody (AA 1130-1400)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	NMDAR2A (GRIN2A)
Binding Specificity:	AA 1130-1400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMDAR2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1130-1400 of human NMDAR2A (NP_000824.1).
Sequence:	LDPPQFVENV TLPENVDFPD PYQDPSENF R KGDSTLPMNR NPLHNEEGLS NNDQYKLYSK HFTLKDKGSP HSETSERYRQ NSTHCRSCLS NMPTYSGHFT MRSPFKCDAC LRMGNLYDID EDQMLQETGN PATGEQVYQQ DWAQNNALQL QKNKLRISRQ HSYDNIVDKP RELDLSRPSR SISLKDRERL LEGNFYGSFLF SVPSSKLSGK KSSLFPQGLE DSKRSKSLLP DHTSDNPFLH SHRDDQRLVI GRCPSPYKH SLPSQAVNDS Y
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

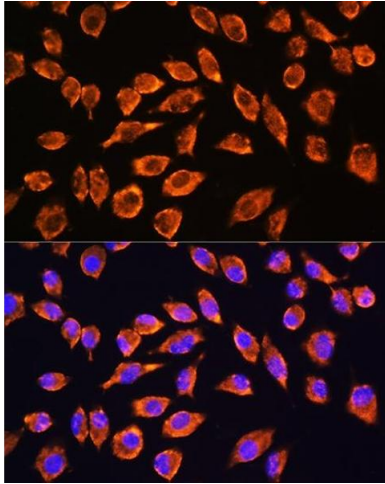
Target:	NMDAR2A (GRIN2A)
Alternative Name:	GRIN2A (GRIN2A Products)
Background:	<p>This gene encodes a member of the glutamate-gated ion channel protein family. The encoded protein is an N-methyl-D-aspartate (NMDA) receptor subunit. NMDA receptors are both ligand-gated and voltage-dependent, and are 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.,EPND,FESD,GluN2A,LKS,NMDAR2A,NR2A,GRIN2A,NMDA 2A,Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,Dopamine Signaling in Parkinson's Disease,Neurodegenerative Diseases Markers,Other Neurological disorders,Cerebralvascular accident-CVA,GRIN2A</p>
Molecular Weight:	144 kDa/165 kDa
Gene ID:	2903
UniProt:	Q12879
Pathways:	Synaptic Membrane , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	WB,1:500 - 1:1000,IF,1:50 - 1:200
Restrictions:	For Research Use only

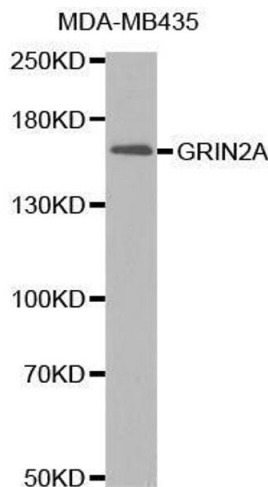
Handling

Buffer:	PBS with 0.02 % sodium azide,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.



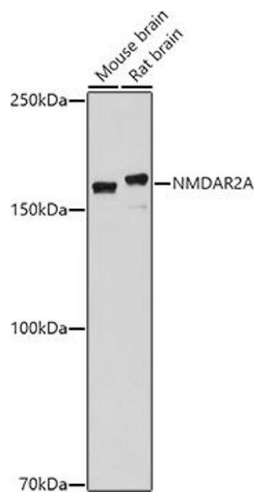
Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using NMDA Rabbit pAb (ABIN1681064, ABIN3015387, ABIN3015389 and ABIN6214028) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using NMDA antibody (ABIN1681064, ABIN3015387, ABIN3015389 and ABIN6214028) 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 Basic Kit (RM00020). Exposure time: 180s.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1681064.