Datasheet for ABIN2855656

anti-NMDAR2A antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	NMDAR2A (GRIN2A)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMDAR2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human NMDAR2A. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Chimpanzee
Cross-Reactivity (Details):	Chimpanzee (100 %)
Characteristics:	Rabbit Polyclonal antibody to NMDAR2A (glutamate receptor, ionotropic, N-methyl D-aspartate 2A) NR2A antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	NMDAR2A (GRIN2A)
Alternative Name:	NR2A (GRIN2A Products)
Background:	N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate-gated ion channels. These receptors have been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of the key receptor subunit NMDAR1 (GRIN1) and 1 or more of the 4 NMDAR2 subunits: NMDAR2A (GRIN2A), NMDAR2B (GRIN2B), NMDAR2C (GRIN2C) and NMDAR2D (GRIN2D). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Cellular Localization: Cell membrane, Multi-pass membrane protein , Cell junction , synapse , postsynaptic cell membrane, Multi-pass membrane protein
Molecular Weight:	165 kDa
Gene ID:	2903
Pathways:	Synaptic Membrane, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceIHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: Jurkat , mouse brain
Restrictions:	For Research Use only

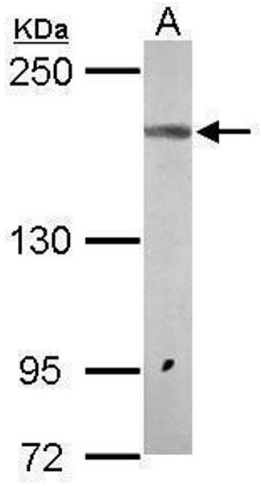
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS, 1 % BSA, 20 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE

Handling

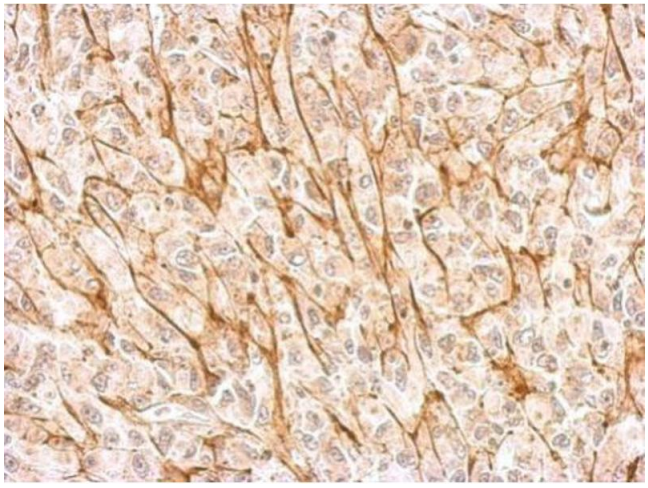
	which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



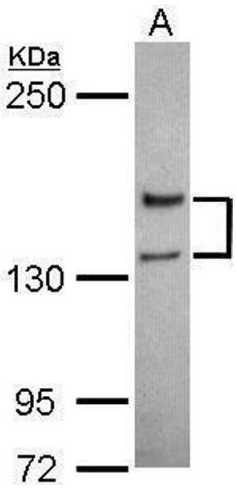
Western Blotting

Image 1. WB Image Sample (50 ug of whole cell lysate) A: Mouse brain 5% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image NMDAR2A antibody detects GRIN2A protein at membrane on U87 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded U87 xenograft. NMDAR2A antibody , dilution: 1:500.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: Jurkat 5% SDS PAGE antibody diluted at 1:1000