

Rabbit GRIN2A Polyclonal Antibody | anti-GRIN2A antibody

GRIN2A antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197909	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat	Western Blot, Immunohistochemistry

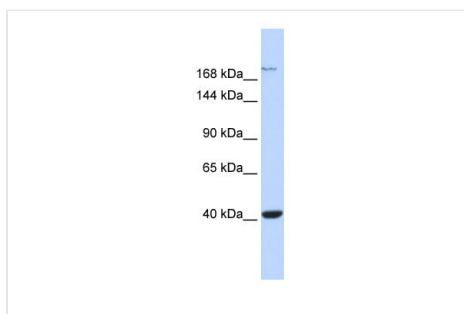
PRODUCT SYNONYMS

GRIN2A; Polyclonal Antibody; GRIN2A antibody - middle region; anti-GRIN2A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: DK IY TIDGEEKP GFHLDPPQFV ENVTLPENVD FPDYPQDPSE NFRKGDST
Sequence Length	1464
Applicable Applications for anti-GRIN2A antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 77%; Dog: 93%; Guinea Pig: 79%; Horse: 86%; Human: 100%; Mouse: 79%; Rat: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GRIN2A
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

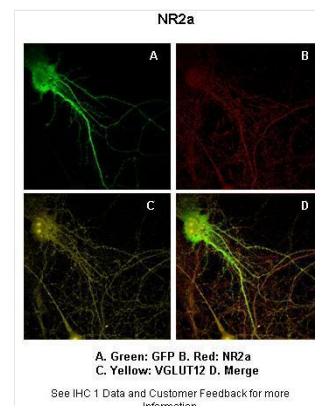
IMAGES



WB (Western Blot)

WB Suggested Anti-GRIN2A Antibody Titration: 0.2-1 ug/mL ELISA Titer: 1:62500 Positive

Control: Human Muscle



IHC (Immunohistochemistry)

Sample Type : Rat Hippocampal Neurons - 14DIV Primary Antibody Dilution : 1:200 Secondary Antibody : Anti-rabbit-Cy3 Secondary Antibody Dilution : 1:500 Color/Signal Descriptions : Green: GFP Red: NR2a Yellow: VGLUT12 Gene Name : GRIN2A Submitted by : Dan Fowler - University of Oregon, Institute of Neuroscience

ADDITIONAL INFORMATION

Related Product Information for anti-GRIN2A antibody	This is a rabbit polyclonal antibody against GRIN2A. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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).N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA channel has 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). Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-GRIN2A antibody	Polyclonal; Ion Channel; Signal Proteins; Growth Factors & Hormones; Membrane Protein; Drugs and Drug Metabolism; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504125
NCBI GeneID	2903
NCBI Accession #	NP_000824
NCBI GenBank Nucleotide #	NM_000833
UniProt Accession #	Q12879
Molecular Weight	163kDa
NCBI Official Full Name	glutamate receptor ionotropic, NMDA 2A isoform 1
NCBI Official Synonym Full Names	glutamate ionotropic receptor NMDA type subunit 2A
NCBI Official Symbol	GRIN2A
NCBI Official Synonym Symbols	LKS; EPND; FESD; NR2A; GluN2A; NMDAR2A
NCBI Protein Information	glutamate receptor ionotropic, NMDA 2A
UniProt Protein Name	Glutamate receptor ionotropic, NMDA 2A
UniProt Gene Name	GRIN2A
UniProt Synonym Gene Names	NMDAR2A; GluN2A; NMDAR2A; NR2A; hNR2A
UniProt Entry Name	NMDE1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/grin2a-antibody-western-blot-immunohistochemistry-elisa/197909>