

Rabbit anti-Mouse GRIN2A Polyclonal Antibody | anti-GRIN2A antibody

GRIN2A Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287724	Rabbit	Mouse	Immunohistochemistry, ELISA, Western Blot

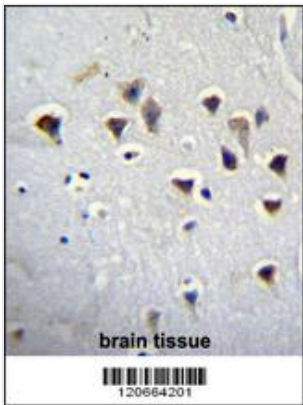
PRODUCT SYNONYMS

GRIN2A; Polyclonal Antibody; GRIN2A Antibody (Center); Glutamate receptor ionotropic; NMDA 2A; GluN2A; Glutamate [NMDA] receptor subunit epsilon-1; N-methyl D-aspartate receptor subtype 2A; NMDAR2A; NR2A; hNR2A; anti-GRIN2A antibody

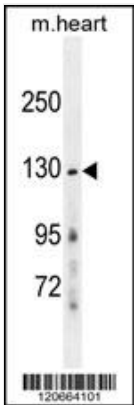
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GRIN2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1057-1084 amino acids from the Central region of human GRIN2A.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.32 (varies by lot)
Sequence Positions	1057-1084
Sequence Length	1,281
Applicable Applications for anti-GRIN2A antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
GRIN2A Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GRIN2A Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
GRIN2A Antibody (Center) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the GRIN2A antibody detected the GRIN2A protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GRIN2A antibody	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.
Product Categories/Family for anti-GRIN2A antibody	Neuroscience; Amyotrophic Lateral Sclerosis (ALS)
References	Endele, S., et al. Nat. Genet. 42(11):1021-1026(2010) Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Saus, E., et al. J Psychiatr Res 44(14):971-978(2010) Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) : King, J.E., et al. Am. J. Pathol. 176(6):2819-2830(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504125
NCBI GeneID	2903
NCBI Accession #	NP_000824.1; NP_001127879.1; NP_001127880.1
NCBI GenBank Nucleotide #	NM_000833.4
UniProt Accession #	Q12879; O00669; Q17RZ6
Molecular Weight	165283
NCBI Official Full Name	glutamate receptor ionotropic, NMDA 2A isoform 1
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, N-methyl D-aspartate 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://www.aaabiotech.com/polyclonal/grin2a-antibody-immunohistochemistry-western-blot-elisa/287724>