



Datasheet for ABIN726485
anti-GRIN2B antibody (AA 451-550)



[Go to Product page](#)

4 Images

2 Publications

Overview

Quantity:	100 µL
Target:	GRIN2B
Binding Specificity:	AA 451-550
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIN2B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NMDAR2B
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	GRIN2B
Alternative Name:	NMDAR2B (GRIN2B Products)

Target Details

Background:	<p>Synonyms: MRD6, NR2B, hNR3, GluN2B, NMDAR2B, Glutamate receptor ionotropic, NMDA 2B, Glutamate [NMDA] receptor subunit epsilon-2, N-methyl D-aspartate receptor subtype 2B, N-methyl-D-aspartate receptor subunit 3, NR3, GRIN2B</p> <p>Background: NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine. In concert with DAPK1 at extrasynaptic sites, acts as a central mediator for stroke damage. Its phosphorylation at Ser-1303 by DAPK1 enhances synaptic NMDA receptor channel activity inducing injurious Ca²⁺ influx through them, resulting in an irreversible neuronal death (By similarity).</p>
Gene ID:	2904
UniProt:	Q13224
Pathways:	Response to Growth Hormone Stimulus , Synaptic Membrane , Feeding Behaviour , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> <p>ICC 1:100-500</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

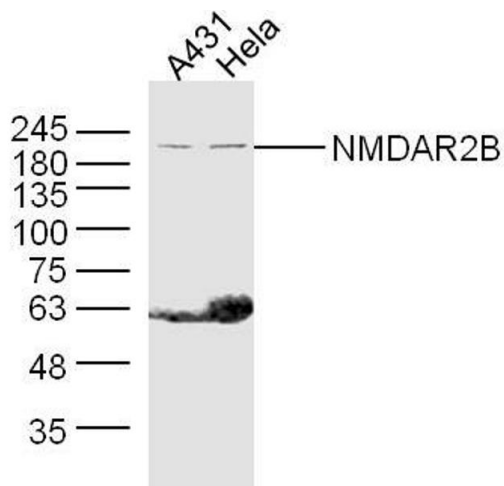
Expiry Date: 12 months

Publications

Product cited in: Gu, Chen, Yang, Zhao, Sun, Li, Zhang, Kong: "Pterostilbene alleviates fructose-induced renal fibrosis by suppressing TGF- β 1/TGF- β type I receptor/Smads signaling in proximal tubular epithelial cells." in: **European journal of pharmacology**, Vol. 842, pp. 70-78, (2019) ([PubMed](#)).

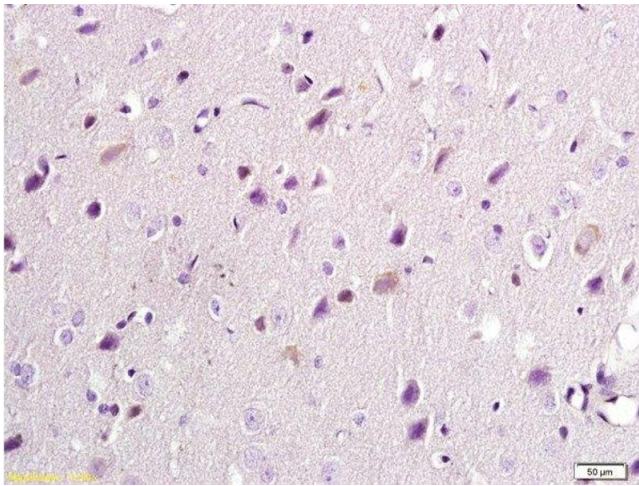
Ku, Li, Gao, Zhang, Yan, Ji, Li, Sang: "NF- κ B-regulated microRNA-574-5p underlies synaptic and cognitive impairment in response to atmospheric PM2.5 aspiration." in: **Particle and fibre toxicology**, Vol. 14, Issue 1, pp. 34, (2018) ([PubMed](#)).

Images



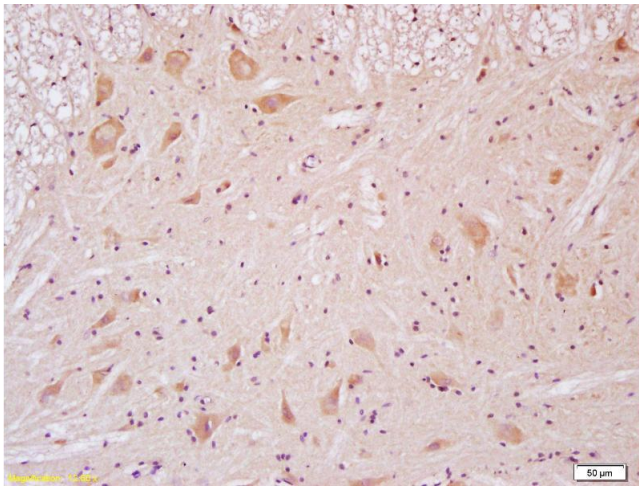
Western Blotting

Image 1. Lane 1: A431 lysates Lane 2: HeLa lysates probed with NMDAR2B Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded: rat brain tissue labeled with Anti-NR2B/NMDAR2B Polyclonal Antibody, Unconjugated at 1:300, followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded Rat Spinal Cord Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Blocking buffer (normal goat serum) at 37°C for 30min Antibody incubation with NR2B Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, DAB staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN726485.