



[Go to Product page](#)

Datasheet for ABIN747353

anti-NMDAR2A antibody (AA 851-950)

4 Images

3 Publications

Overview

Quantity:	100 µL
Target:	NMDAR2A (GRIN2A)
Binding Specificity:	AA 851-950
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMDAR2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NMDAR2A
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	NMDAR2A (GRIN2A)
Alternative Name:	NMDAR2A (GRIN2A Products)
Background:	Synonyms: LKS, EPND, FESD, NR2A, GluN2A, NMDAR2A, Glutamate receptor ionotropic, NMDA

Target Details

2A, Glutamate [NMDA] receptor subunit epsilon-1, N-methyl D-aspartate receptor subtype 2A, hNR2A, GRIN2A

Background: NMDA receptor subtype of glutamate-gated ion channels possesses high calcium permeability and voltage-dependent sensitivity to magnesium. Activation requires binding of agonist to both types of subunits.

Gene ID: 2903

UniProt: [Q12879](#)

Pathways: [Synaptic Membrane](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000

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 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

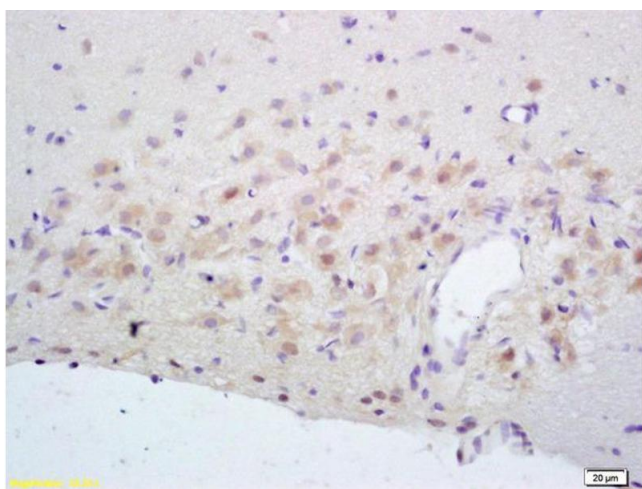
Product cited in: Ku, Li, Gao, Zhang, Yan, Ji, Li, Sang: "NF-κB-regulated microRNA-574-5p underlies synaptic and cognitive impairment in response to atmospheric PM2.5 aspiration." in: **Particle and fibre toxicology**, Vol. 14, Issue 1, pp. 34, (2018) ([PubMed](#)).

Ji, Zhuang, Ji, Wu, Gu, Gao, Pan, Hu: "TFP5 peptide, derived from CDK5-activating cofactor p35,

provides neuroprotection in early-stage of adult ischemic stroke." in: **Scientific reports**, Vol. 7, pp. 40013, (2017) ([PubMed](#)).

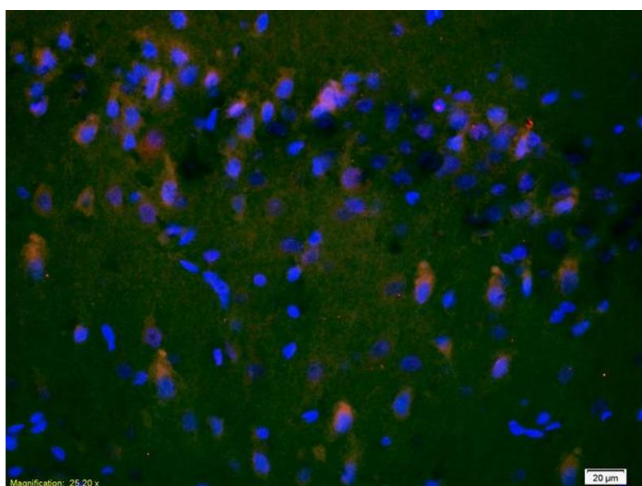
Zhao, Li, Wei, Savage, Zhou, Ma: "Ketamine administered to pregnant rats in the second trimester causes long-lasting behavioral disorders in offspring." in: **Neurobiology of disease**, Vol. 68, pp. 145-55, (2014) ([PubMed](#)).

Images



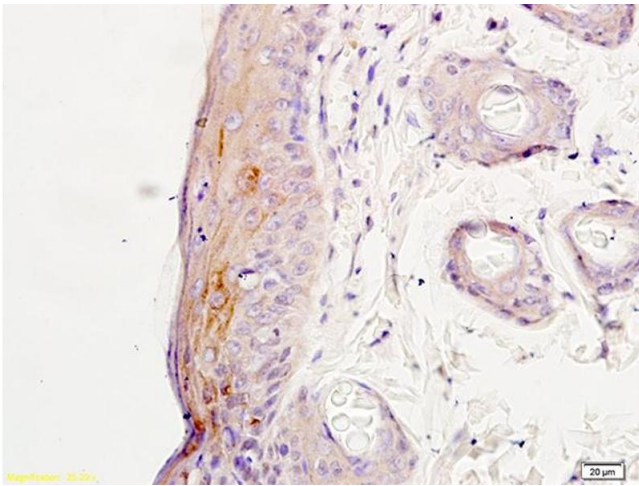
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti NR2A/NMDAR2A Polyclonal Antibody, Unconjugated (ABIN747353) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunofluorescence

Image 2. Formalin-fixed and paraffin-embedded rat brain labeled with Anti-NR2A/NMDAR2A Polyclonal Antibody, Unconjugated (ABIN747353) 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C.



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded rat skin labeled with Rabbit Anti NR2A/NMDAR2A Polyclonal Antibody, Unconjugated (ABIN747353) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN747353.