

NMDAR2A Polyclonal Antibody

Product Details	
Size	10 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Fusion protein from the C-terminal region of the NR2A subunit of rat GRIN2A
Form	Lyophilized
Purification	Affinity chromatography
Storage buffer	5mM Ammonium bicarbonate, pH 7.5
Contains	no preservative
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2112313

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	2 Publications
Immunohistochemistry (IHC)	1:1,000-1:2,000	-
Immunoprecipitation (IP)	3 µL/200 µg lysate	2 Publications

Product Specific Information

In Western blot, this antibody detects a single ~180 kDa protein representing NR2A in rat brain homogenate. It shows no cross-reactivity with NR2B.

Reconstitute with 50 µL of PBS.

4 References

Western Blot (2)

Scientific reports

PDI regulates seizure activity via NMDA receptor redox in rats.

"OPA104021 was used in western blot to show protein disulfide isomerases bind to N-methyl-D-aspartate receptor in the normal hippocampus, and that this binding is increased in chronic epileptic rats"

Authors: Kim JY,Ko AR,Hyun HW,Min SJ,Kim JE

Species

Rat
Not Applicable

Dilution

1:1000
Not Cited

Year

2017

The Journal of neuroscience : the official journal of the Society for Neuroscience

In vivo composition of NMDA receptor signaling complexes differs between membrane subdomains and is modulated by PSD-95 and PSD-93.

"OPA1-04021 was used in western blot to investigate the composition of NMDAR-PSD-95 complexes in lipid rafts"

Authors: Delint-Ramirez I,Fernández E,Bayés A,Kicsi E,Komiyama NH,Grant SG

Species

Mouse
Not Applicable

Dilution

Not Cited
Not Cited

Year

2010

Immunoprecipitation (2)

Scientific reports

PDI regulates seizure activity via NMDA receptor redox in rats.

"OPA104021 was used in western blot to show protein disulfide isomerases bind to N-methyl-D-aspartate receptor in the normal hippocampus, and that this binding is increased in chronic epileptic rats"

Authors: Kim JY,Ko AR,Hyun HW,Min SJ,Kim JE

Species

Rat
Not Applicable

Dilution

1:1000
Not Cited

Year

2017

JCI insight

SorCS2-mediated NR2A trafficking regulates motor deficits in Huntington's disease.

"Published figure using NMDAR2A polyclonal antibody (Product # OPA1-04021) in Immunoprecipitation"

Authors: Ma Q,Yang J,Milner TA,Vonsattel JG,Palko ME,Tessarollo L,Hempstead BL

Species

Not Applicable

Dilution

Not Cited

Year

2017

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