

NMDA/NR2A/B Antibody | anti-NMDA/NR2A/B antibody

NMDA/NR2A/B (Phospho-Tyr1246/1252) Antibody

CATALOG # AAA267551	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry
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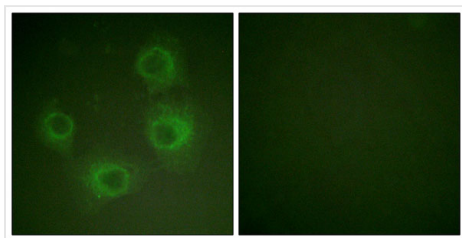
PRODUCT SYNONYMS

NMDA/NR2A/B; NMDA/NR2A/B (Phospho-Tyr1246/1252) Antibody; 2A; N-methyl-D-aspartate receptor subtype 2A; NMDAR2AGlutamate [NMDA] receptor subunit epsilon 1; NMDE1; NME1; NR2A; GRIN2B; Glutamate [NMDA] receptor subunit epsilon 2 precursor; N-methyl D-aspartate receptor subtype 2B; N-methyl-D-aspartate receptor subunit 3; NMDE2; NME2; NR2B; NR3; hNR3; anti-NMDA/NR2A/B antibody

PRODUCT SPECIFICATIONS

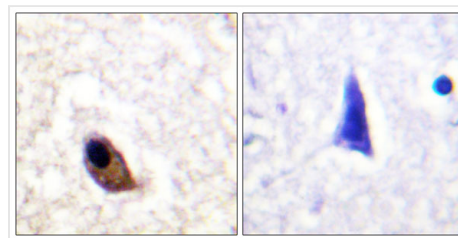
Reactivity	Human, Mouse, Rat
Specificity	NMDA/NR2A/B (Phospho-Tyr1246/1252) antibody detects endogenous levels of NMDA or NR2A/B only when phosphorylated at tyrosine 1246/1252.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	1464
Applicable Applications for anti-NMDA/NR2A/B antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human NMDA or NR2A/B around the phosphorylation site of tyrosine1246/1252 (N-L-YP-D-I).
All Sites	Human: Tyr1246/1252 Mouse: Tyr1246/1252 Rat: Tyr1246/1252
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemistry analysis of paraffin-embedded human brain tissue using NMDA/NR2A/B (Phospho-Tyr1246/1252) antibody. Immunofluorescence analysis of HuvEc cells, using NMDA/NR2A/B (Phospho-Tyr1246/1252) antibody.



Application Data

P-peptide-+

ADDITIONAL INFORMATION

References	Hess S.D., J. Pharmacol. Exp. Ther. 278:808-816(1996). Olsen J.V., Cell 127:635-648(2006). Molina H., Proc. Natl. Acad. Sci. U.S.A. 104:2199-2204(2007).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504125
NCBI GeneID	2903
NCBI Accession #	NP_000824.1
NCBI GenBank Nucleotide #	NM_000833.4
UniProt Accession #	Q12879; O00669; Q17RZ6
Molecular Weight	144,431 Da
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; NR2A; hNR2A

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.