

NMDANR2B Subunit Antibody

Catalog No: #21560



Package Size: #21560-1 50ul #21560-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

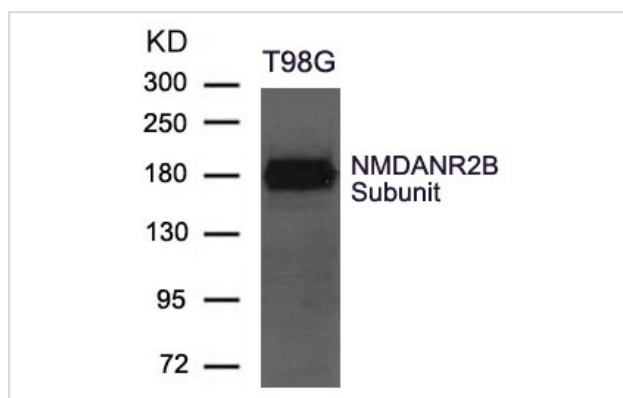
Product Name	NMDANR2B Subunit Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total NMDANR2B Subunit protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.1250-1254(N-L-Y-D-I) derived from Human NMDANR2B Subunit.
Conjugates	Unconjugated
Target Name	NMDANR2B Subunit
Other Names	NMDAR2B; NR2B;
Accession No.	Swiss-Prot: Q00960NCBI Protein: NP_036706.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 180kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from T98G cells using NMDANR2B Subunit Antibody #21560

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 Ca^{2+} influx through them, resulting in an irreversible neuronal death

Kornau H.C., Schenker L.T., Kennedy M.B., Seeburg P.H. *Science* 269:1737-1740(1995)

Kurschner C., Mermelstein P.G., Holden W.T., Surmeier D.J. *Mol. Cell. Neurosci.* 11:161-172(1998)

Published Papers

et al., Bisphenol-A Induces neurodegeneration through disturbance of intracellular calcium homeostasis in human embryonic stem cells-derived cortical neurons *Chemosphere*. In *Chemosphere* on 2019 Aug by Wang H, Zhao P, et al.. PMID: 31102917, , (2019)

[PMID:31102917](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.