NMDAZeta1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06081
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human NMDAR1. AA range:862-911
Mol wt	105373
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	NMDAzeta1 Antibody
Synonyms	GRIN1; NMDAR1; Glutamate [NMDA] receptor subunit zeta-1; N-methyl-D-aspartate receptor subunit NR1; NMD-R1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The glutamate ionotropic receptor NMDA type subunit 1 encoded by GRIN1 is a critical subunit of N-methyl-D-aspartate receptors, members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described.

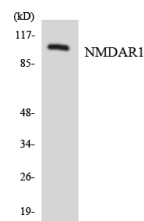## Recommended Dilution

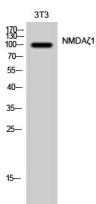WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

ELISA: 1: 20000

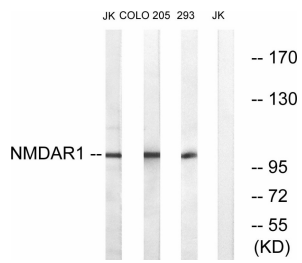Not yet tested in other applications.

Images

Western blot analysis of the lysates from HT-29 cells using NMDAR1 antibody.
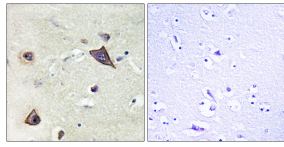

Western Blot analysis of 3T3 cells using NMDAζ1 Polyclonal Antibody diluted at 1:1000

Western blot analysis of lysates from Jurkat, COLO205, and 293 cells, using NMDAR1 Antibody.

The lane on the right is blocked with the synthesized peptide.

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using NMDAR1 Antibody.

The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year