

## Product datasheet for **TA326536**

### Grin1 Mouse Monoclonal Antibody [Clone ID: S308-48]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	S308-48
Applications:	WB
Recommended Dilution:	WB: 1ug/ml, IHC: 0.1-1ug/ml, IF: 1-10ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 42-361 (extracellular N-terminus) of rat NR1
Formulation:	PBS pH7.4, 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	glutamate ionotropic receptor NMDA type subunit 1
Database Link:	<a href="#">NP_058706</a> <a href="#">Entrez Gene 2902 HumanEntrez Gene 14810 MouseEntrez Gene 24408 Rat P35439</a>

**Background:** The NMDA receptor (NMDAR), a glutamate receptor, is the predominant molecular device for controlling synaptic plasticity and memory function. The NMDA receptor forms a heterotetramer between two NR1 and two NR2 subunits (the subunits are also called glutamate binding NMDA receptor subunits or GluN for short); two obligatory NR1 subunits and two regionally localized NR2 subunits. A related gene family of NR3 A and B subunits have an inhibitory effect on receptor activity. Multiple receptor isoforms with distinct brain distributions and functional properties arise by selective splicing of the NR1 transcripts and differential expression of the NR2 subunits.

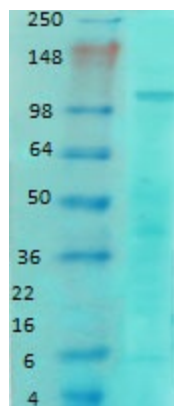
**Synonyms:** NMDA1; NMDAR1; NR1



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Note: Detects ~105kDa.

### Product images:



Western blot analysis of GluN1-NR1 in rat brain membrane tissues, using a 1:1000 dilution of the antibody