

## Product datasheet for **TA325997**

### **NMDAR2B (GRIN2B) Rabbit Polyclonal Antibody**

#### **Product data:**

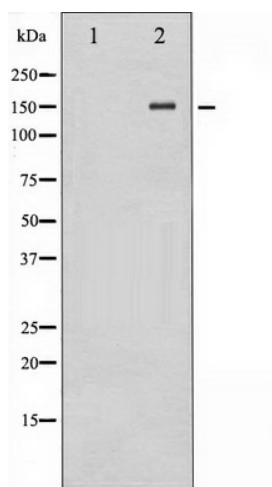
<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB: 1:500-1:2000
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	The antiserum was produced against A synthesized peptide derived from human NMDAR2B
<b>Formulation:</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific peptide.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	140 kDa
<b>Gene Name:</b>	glutamate ionotropic receptor NMDA type subunit 2B
<b>Database Link:</b>	<a href="#">NP_000825</a> <a href="#">Entrez Gene 14812 Mouse</a> <a href="#">Entrez Gene 24410 Rat</a> <a href="#">Entrez Gene 2904 Human</a> <a href="#">Q13224</a>
<b>Background:</b>	N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA receptor channel has been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning.
<b>Synonyms:</b>	EIEE27; GluN2B; hNR3; MRD6; NMDAR2B; NR2B
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane



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**Protein Pathways:**

Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Huntington's disease, Long-term potentiation, Neuroactive ligand-receptor interaction, Systemic lupus erythematosus

**Product images:**

Western blot analysis of NMDAR2B expression in A549 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.