

Product datasheet for **TA323549**

NMDAR1 (GRIN1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 35-49 amino acids of human glutamate receptor, ionotropic, N-methyl D-aspartate 1
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
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:	NP_000823 Entrez Gene 14810 Mouse Entrez Gene 24408 Rat Entrez Gene 2902 Human Q05586
Background:	The protein encoded by this gene 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.



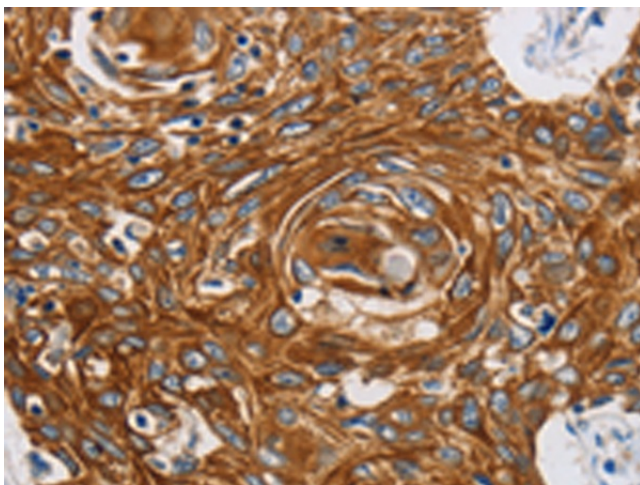
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Synonyms: GluN1; MRD8; NMD-R1; NMDA1; NMDAR1; NR1

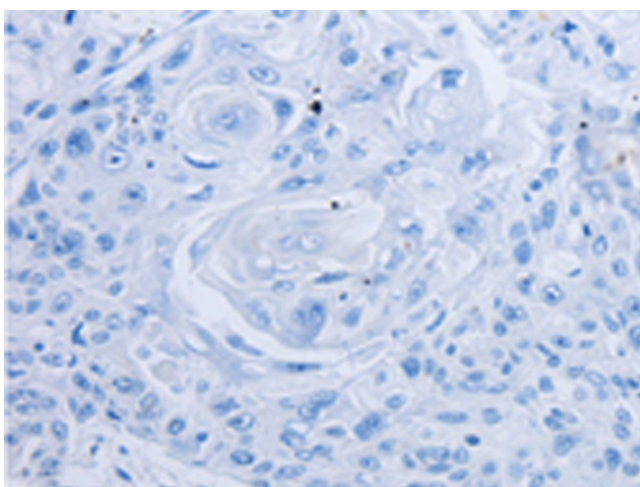
Protein Families: Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Calcium signaling pathway, Huntington's disease, Long-term potentiation, Neuroactive ligand-receptor interaction

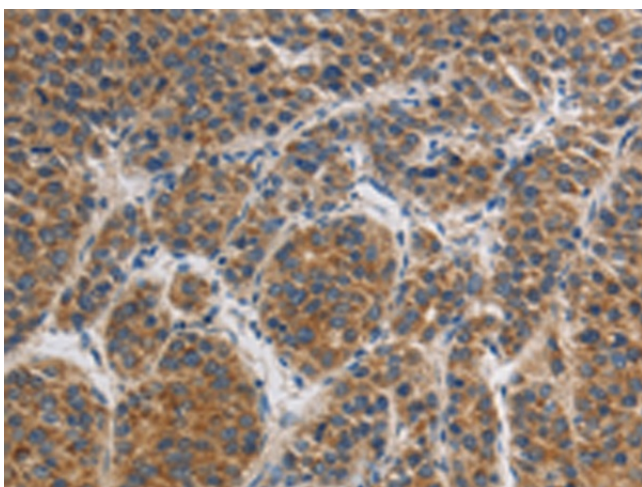
Product images:



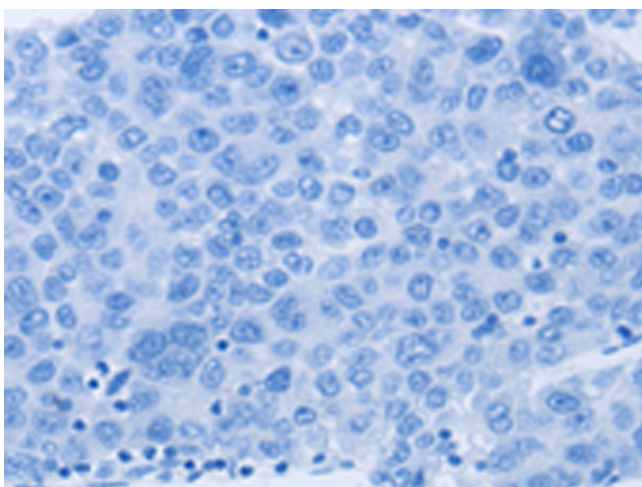
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA323549 (GRIN1 Antibody) at dilution 1/45 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA323549 (GRIN1 Antibody) at dilution 1/45, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA323549 (GRIN1 Antibody) at dilution 1/45 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA323549 (GRIN1 Antibody) at dilution 1/45, treated with synthetic peptide. (Original magnification: $\times 200$)