

Product datasheet for **TA323555**

Glutamate receptor ionotropic, NMDA 2D (GRIN2D) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 15-50 Positive control: Human breast cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 1264-1278 amino acids of Human glutamate receptor, ionotropic, N-methyl D-aspartate 2D
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 2D
Database Link:	NP_000827 Entrez Gene 14814 Mouse Entrez Gene 24412 Rat Entrez Gene 2906 Human O15399
Background:	N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA 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. NMDA receptor channels are heteromers composed of the key receptor subunit NMDAR1 (GRIN1) and 1 or more of the 4 NMDAR2 subunits: NMDAR2A (GRIN2A); NMDAR2B (GRIN2B); NMDAR2C (GRIN2C); and NMDAR2D (GRIN2D).
Synonyms:	EB11; GluN2D; NMDAR2D; NR2D

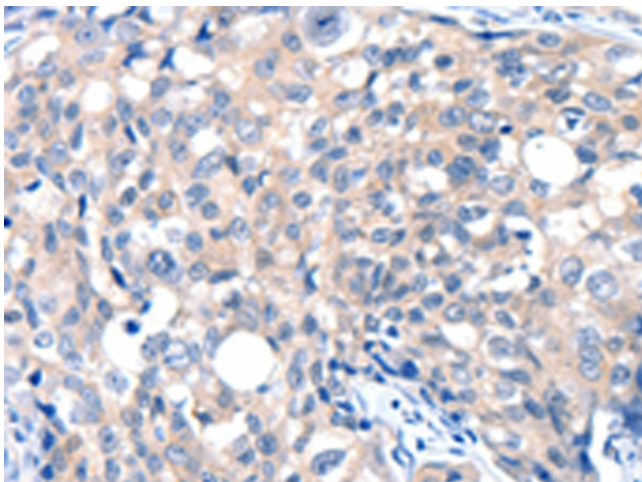


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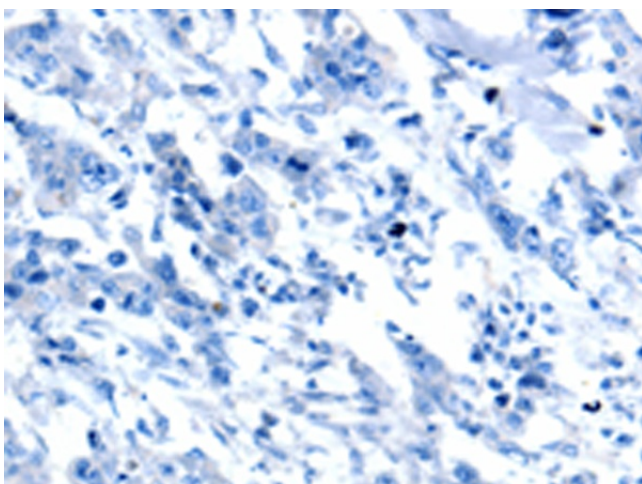
Protein Families: Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

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

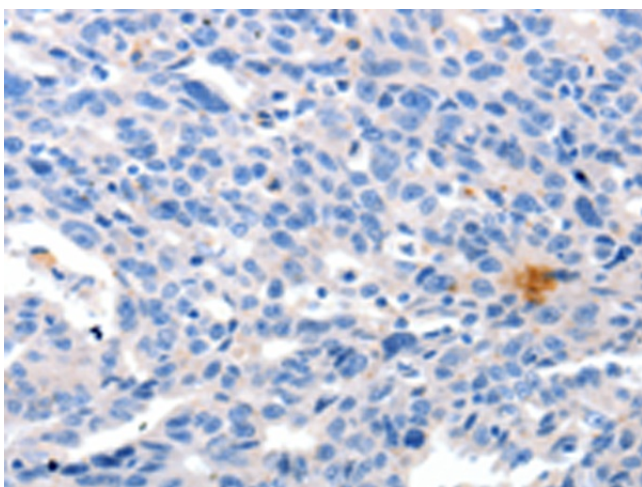
Product images:



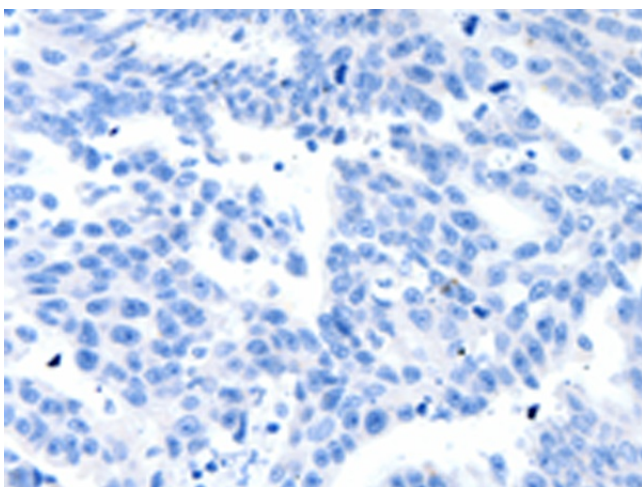
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA323555 (GRIN2D Antibody) at dilution 1/30 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA323555 (GRIN2D Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA323555 (GRIN2D Antibody) at dilution 1/30 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA323555 (GRIN2D Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: $\times 200$)