

GRIN1 RABBIT PAB

Cat.#: S219950

Product Name: Anti-GRIN1 Rabbit Polyclonal Antibody

Synonyms: NR1, MRD8, GluN1, NMDA1, NMDAR1

UNIPROT ID: Q05586 (Gene Accession - NP_000823)

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.

Immunogen: Synthetic peptide of human GRIN1

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

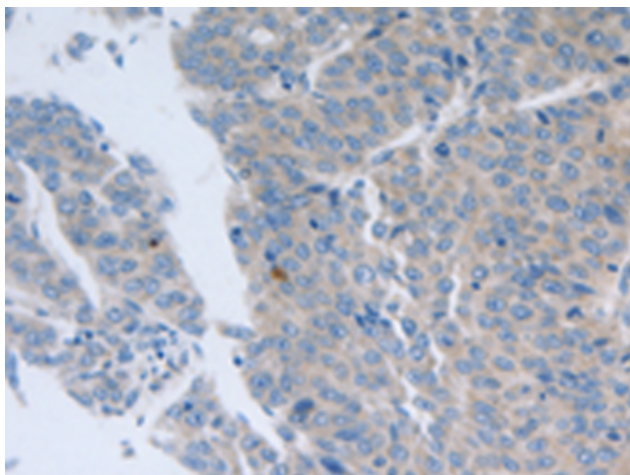
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

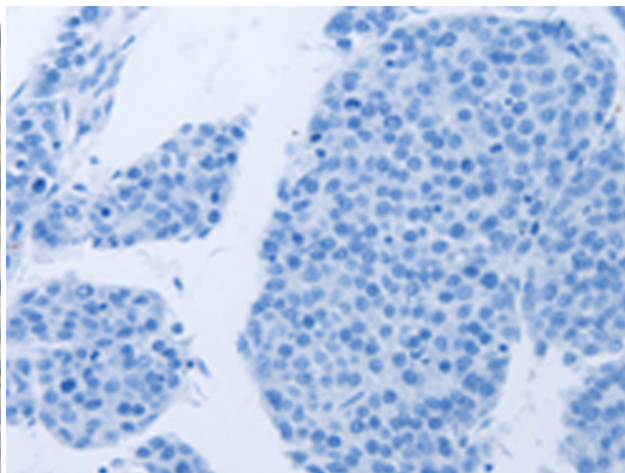
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Neuroscience

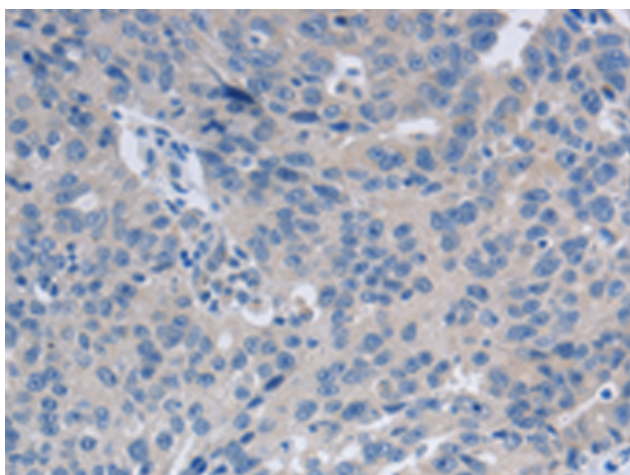
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



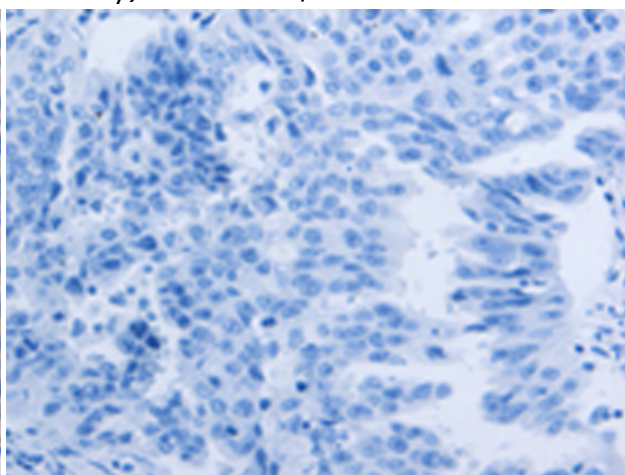
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 219950 (GRIN1 Antibody) at a dilution of 1/50 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 219950 (Anti-GRIN1 Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 219950 (Anti-GRIN1 Antibody) at a dilution of 1/50.



In comparison with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with synthetic peptide and then with D260671 (Anti-GRIN1 Antibody) at dilution 1/50.