

PTPRN RABBIT PAB

Cat.#: S217722

Product Name: Anti-PTPRN Rabbit Polyclonal Antibody

Synonyms: IA2; IA-2; ICA512; R-PTP-N; IA-2/PTP

UNIPROT ID: Q16849 (Gene Accession - BC007713)

Background: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and a single catalytic domain, and thus represents a receptor-type PTP. This PTP was found to be an autoantigen that is reactive with insulin-dependent diabetes mellitus (IDDM) patient sera, and thus may be a potential target of autoimmunity in diabetes mellitus. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Dec 2010]

Immunogen: Fusion protein of human PTPRN

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

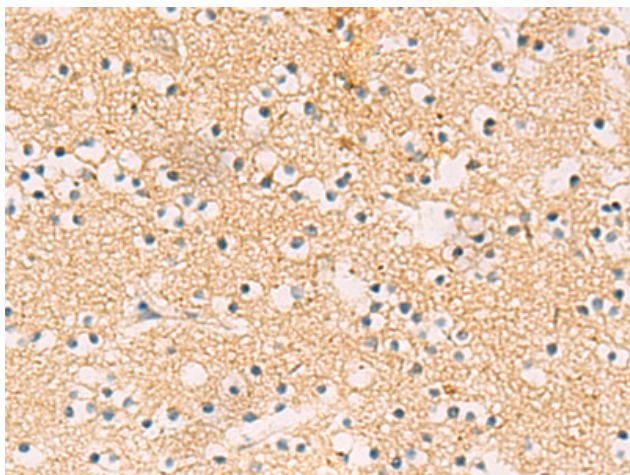
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

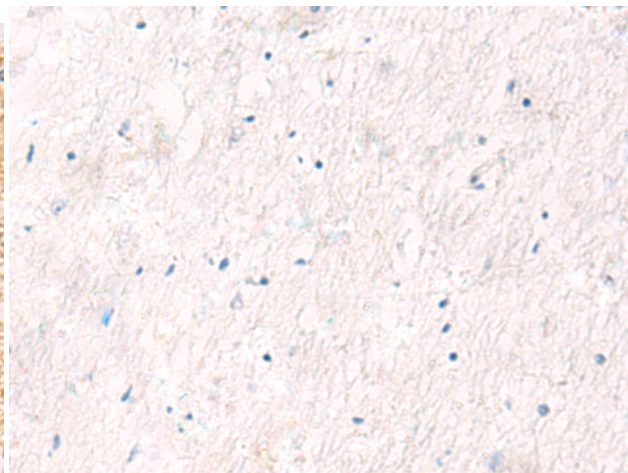
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Signal Transduction, Neuroscience

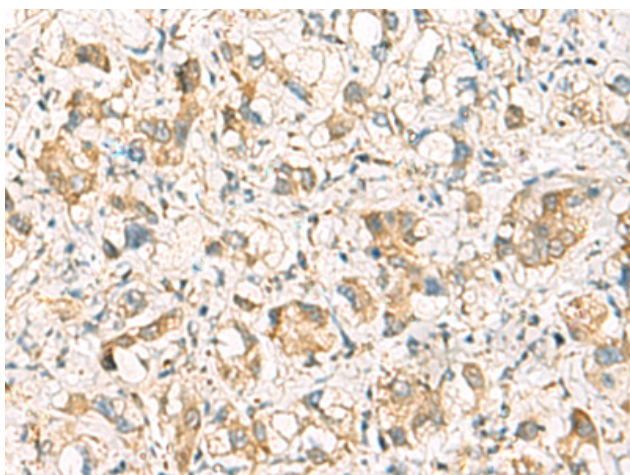
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



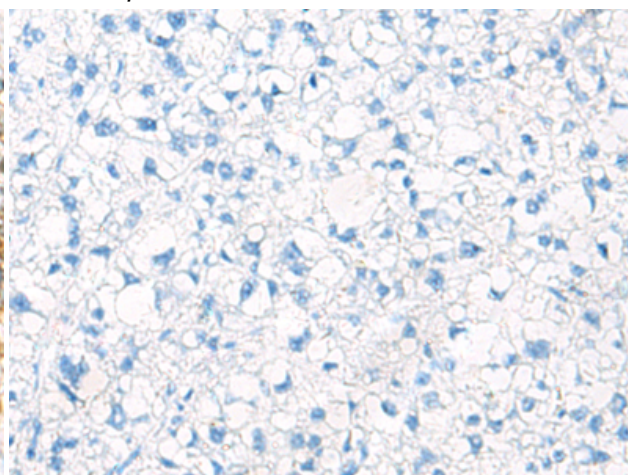
Immunohistochemistry analysis of paraffin-embedded Human brain tissue using 217722 (PTPRN Antibody) at a dilution of 1/55 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the fusion protein and then with 217722 (Anti-PTPRN Antibody) at dilution 1/55.



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 217722 (Anti-PTPRN Antibody) at a dilution of 1/55.



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with fusion protein and then with D222948 (Anti-PTPRN Antibody) at dilution 1/55.