APP (BETA-AMYLOID PROTEIN 42/40) RABBIT PAB

Cat.#: S221523

Product Name: Anti-APP (Beta-amyloid protein 42/40) Rabbit Polyclonal Antibody

Synonyms: AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma; alpha-sAPP

UNIPROT ID: P05067 (Gene Accession - NP_000475)

Background: This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. In addition, two of the peptides are antimicrobial peptides, having been shown to have bacteriocidal and antifungal activities. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene.

Immunogen: Synthetic peptide of human APP

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal
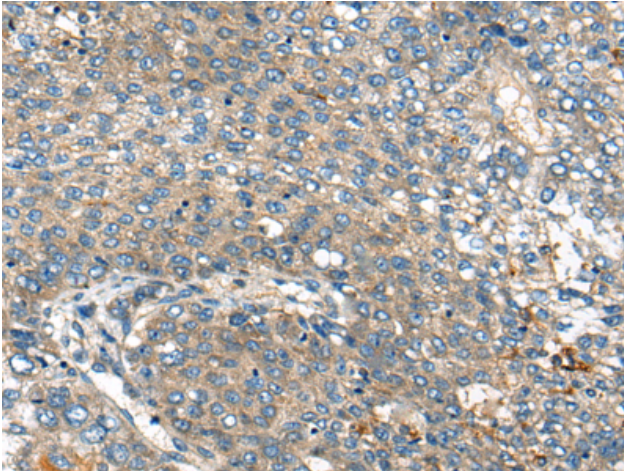
Isotype: Immunogen-specific rabbit IgG

Purification: Antigen affinity purification
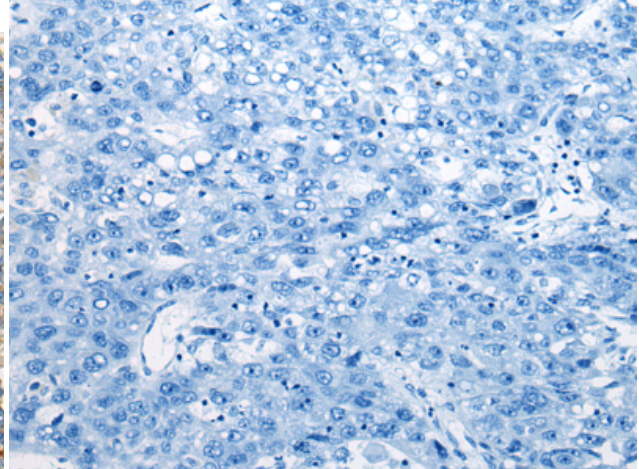
Species Reactivity: Human, Mouse, Rat

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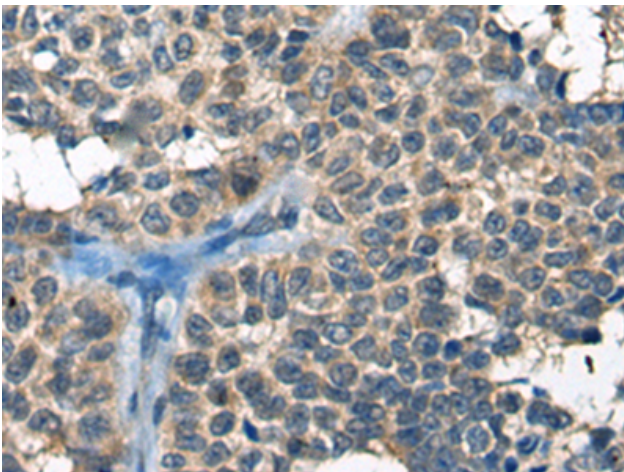
Research Areas: Neuroscience

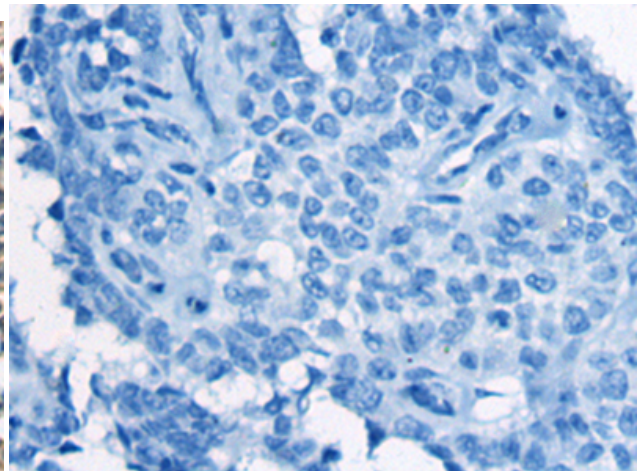**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing

Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 221523(APP (Beta-amyloid protein 42/40) Antibody) at a dilution of 1/30(Cytoplasm).

In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 221523(Anti-APP (Anti-Beta-amyloid protein 42/40) Antibody) at dilution 1/30.

The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 221523(Anti-APP (Anti-Beta-amyloid protein 42/40) Antibody) at a dilution of 1/30.

In comparision with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with synthetic peptide and then with D263157(Anti-APP (Anti-Beta-amyloid protein 42/40) Antibody) at dilution 1/30.