

IDH1 RABBIT PAB

Cat.#: S217117

Product Name: Anti-IDH1 Rabbit Polyclonal Antibody

Synonyms: IDH; IDP; IDCD; IDPC; PICD

UNIPROT ID: O75874 (Gene Accession - BC012846)

Background: Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the cytoplasm and peroxisomes. It contains the PTS-1 peroxisomal targeting signal sequence.

Immunogen: Fusion protein of human IDH1

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-200;WB: 200-1000;ELISA: 1000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

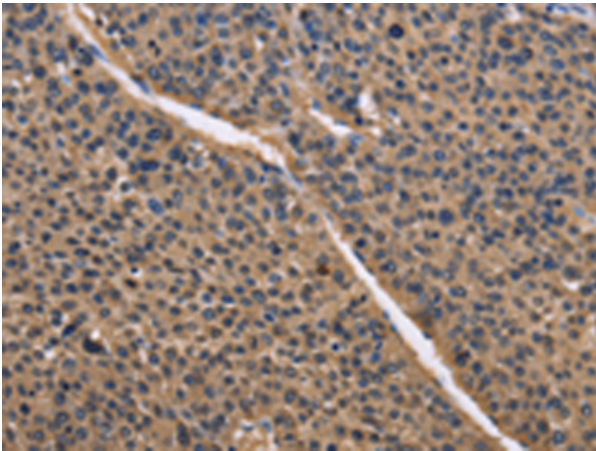
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

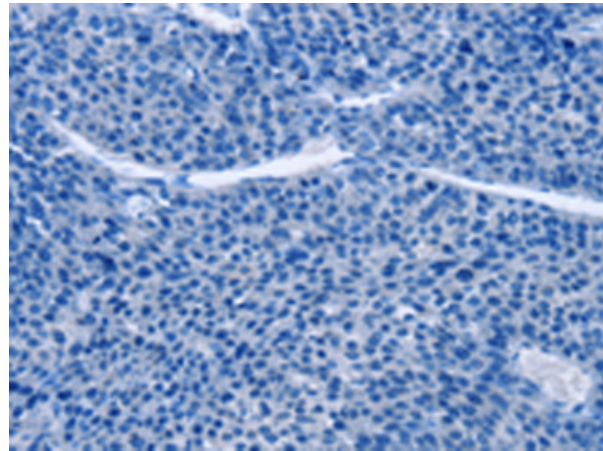
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Cancer

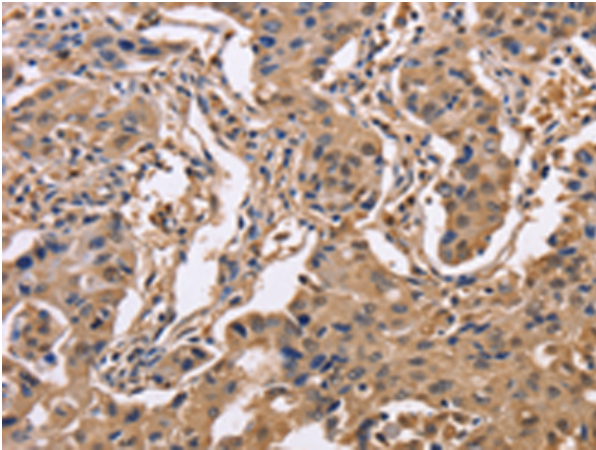
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



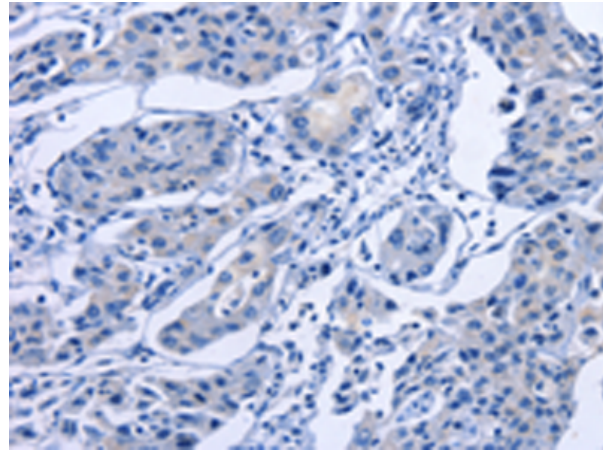
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 217117 (IDH1 Antibody) at a dilution of 1/50 (Nucleus and Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the fusion protein and then with 217117 (Anti-IDH1 Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 217117 (Anti-IDH1 Antibody) at a dilution of 1/50.



In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with fusion protein and then with D221821 (Anti-IDH1 Antibody) at dilution 1/50.



Gel: 8% SDS-PAGE, Lysate: 40 µg;
Lane 1-2: 231 cells, hela cells;
Primary antibody: 217117 (IDH1 Antibody) at dilution 1/550;
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
Exposure time: 20 seconds



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
