

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **IDH3B RABBIT PAB**

Cat.#: S217067

**Product Name:** Anti-IDH3B Rabbit Polyclonal Antibody

**Synonyms:** RP46; H-IDHB

UNIPROT ID: O43837 (Gene Accession - BC001960)

**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 matri,x and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. The protein encoded by this gene is the beta subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. Three alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Immunogen: Fusion protein of human IDH3B

Applications: ELISA, WB, IHC

**Recommended Dilutions:** IHC: 25-100;WB: 200-1000;ELISA: 1000-2000

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

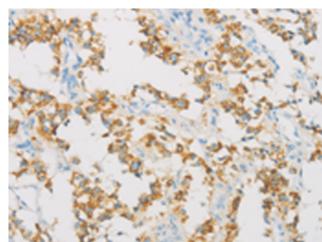
Research Areas: Metabolism

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

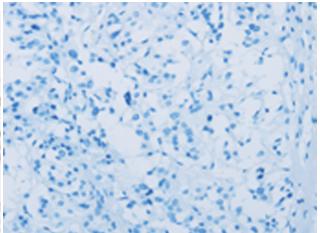


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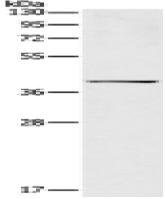
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Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 217067(IDH3B Antibody) at a dilution of 1/30(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the fusion protein and then with 217067(Anti-IDH3B Antibody) at dilution 1/30.



Gel: 10%SDS-PAGE, Lysate: 40 µg;

Lane: Mouse eyes tissue;

Primary antibody: 217067(IDH3B Antibody) at

dilution 1/240;

Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution;

Exposure time: 10 seconds