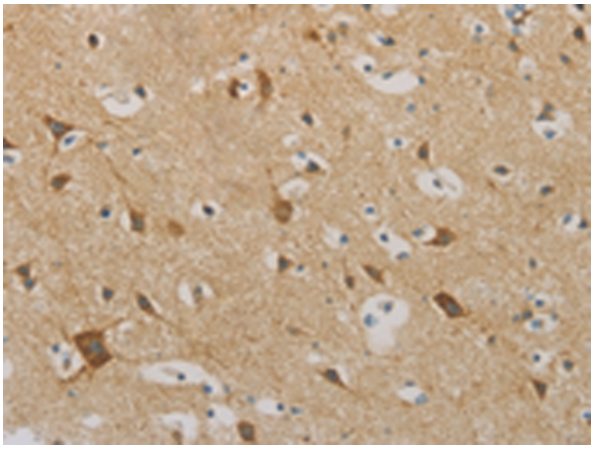
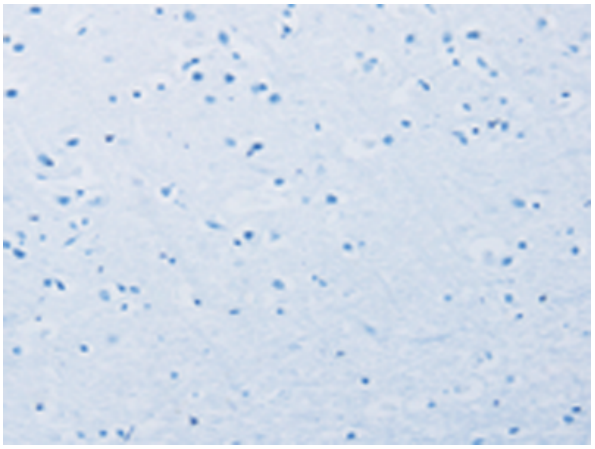
IDH3G RABBIT PAB

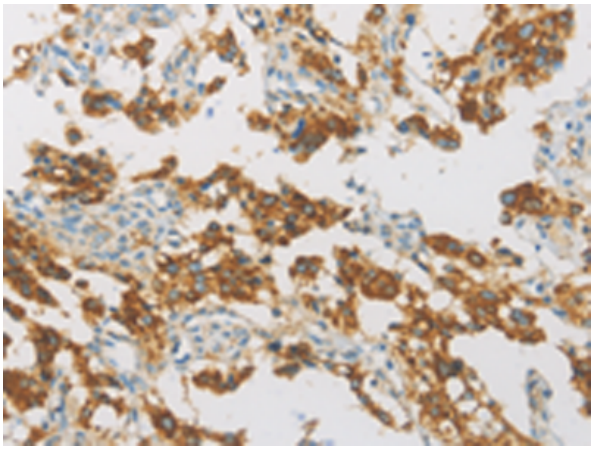
Cat.#: S217068
Product Name: Anti-IDH3G Rabbit Polyclonal Antibody
Synonyms: H-IDHG
UNIPROT ID: P51553 (Gene Accession - BC001902)
Background: Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which 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.
Immunogen: Fusion protein of human IDH3G
Applications: ELISA, WB, IHC
Recommended Dilutions: IHC: 25-100;WB: 500-2000;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: Metabolism
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



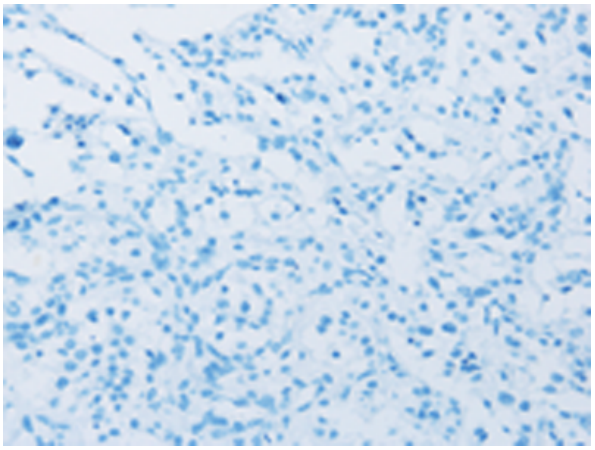
Immunohistochemistry analysis of paraffin embedded Human brain tissue using 217068(IDH3G Antibody) at a dilution of 1/30(Cytoplasm).



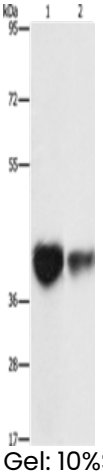
In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the fusion protein and then with 217068(Anti-IDH3G Antibody) at dilution 1/30.



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 217068(Anti-IDH3G Antibody) at a dilution of 1/30.



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with fusion protein and then with D221734(Anti-IDH3G Antibody) at dilution 1/30.



Gel: 10%SDS-PAGE, Lysate: 40 µg;
Lane 1-2: Mouse brain tissue, NIH/3T3 cells;
Primary antibody: 217068(IDH3G Antibody) at dilution 1/350;
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
Exposure time: 15 seconds