

## IDH2 RABBIT PAB

**Cat.#:** S217529

**Product Name:** Anti-IDH2 Rabbit Polyclonal Antibody

**Synonyms:** IDH; IDP; IDHM; IDPM; ICD-M; D2HGA2; mNADP-IDH

**UNIPROT ID:** P48735 (Gene Accession - BC009244 )

**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 mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. Alternative splicing results in multiple transcript variants.

**Immunogen:** Fusion protein of human IDH2

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 100-300;WB: 500-2000;ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

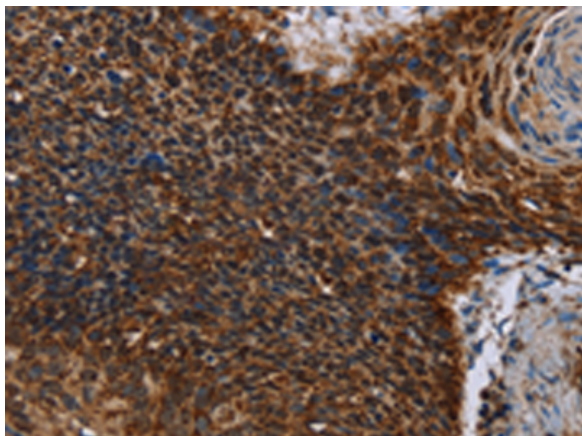
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

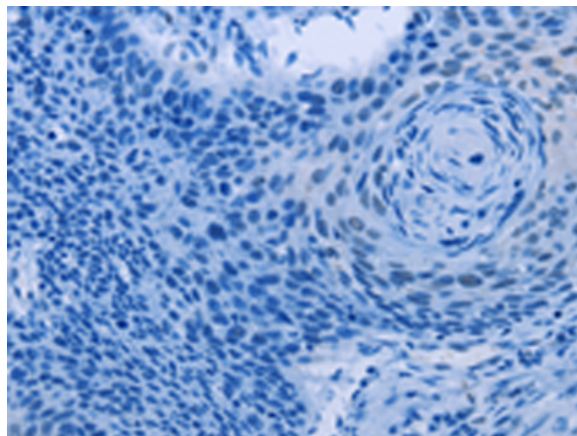
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Metabolism, Cancer

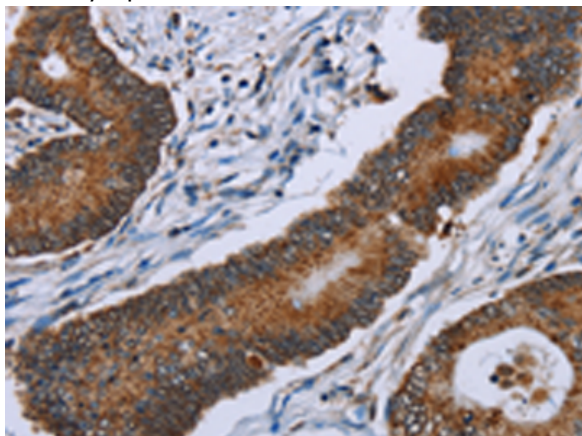
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



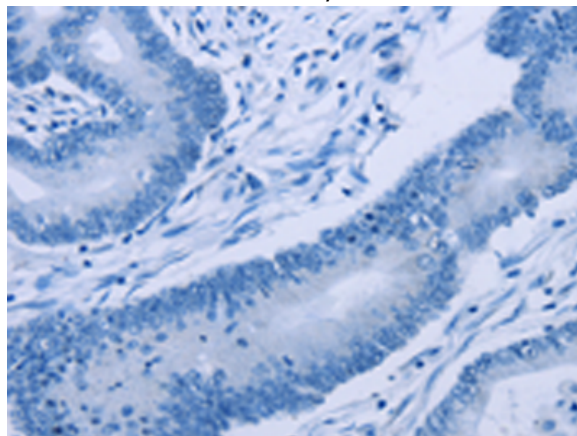
Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 217529 (IDH2 Antibody) at a dilution of 1/60 (Cytoplasm).



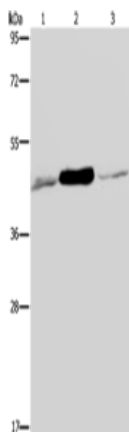
In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the fusion protein and then with 217529 (Anti-IDH2 Antibody) at dilution 1/60.



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using 217529 (Anti-IDH2 Antibody) at a dilution of 1/60.



In comparison with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with fusion protein and then with D222530 (Anti-IDH2 Antibody) at dilution 1/60.



Gel: 8% SDS-PAGE, Lysate: 40  $\mu$ g;  
 Lane 1-3: 293T cells, Jurkat cells, human fetal muscle tissue;  
 Primary antibody: 217529 (IDH2 Antibody) at dilution 1/600;  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
 Exposure time: 10 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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