

Datasheet for ABIN7129804

anti-IDH3B antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	IDH3B
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IDH3B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Fusion protein of Human IDH3B
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antigen affinity purification

Target Details

Target:	IDH3B
Alternative Name:	IDH3B (IDH3B Products)
Background:	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

Target Details

mitochondrial matrix, 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.

Aliases: FLJ11043 antibody, H-IDHB antibody, Idh3B antibody, IDH3B_HUMAN antibody, Isocitrate dehydrogenase [NAD] subunit beta antibody, Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial antibody, isocitrate dehydrogenase 3, beta subunit antibody, Isocitric dehydrogenase antibody, Isocitric dehydrogenase subunit beta antibody, MGC903 antibody, mitochondrial antibody, NAD(+)-specific ICDH antibody, NAD(+)-specific ICDH subunit beta antibody, NAD+-specific isocitrate dehydrogenase b subunit antibody, NAD+-specific isocitrate dehydrogenase beta antibody, OTTHUMP00000030023 antibody, OTTHUMP00000030024 antibody, RP46 antibody

UniProt: [O43837](#)

Application Details

Application Notes: ELISA:1:1000-1:2000, WB:1:200-1:1000, IHC:1:25-1:100,

Restrictions: For Research Use only

Handling

Format: Liquid

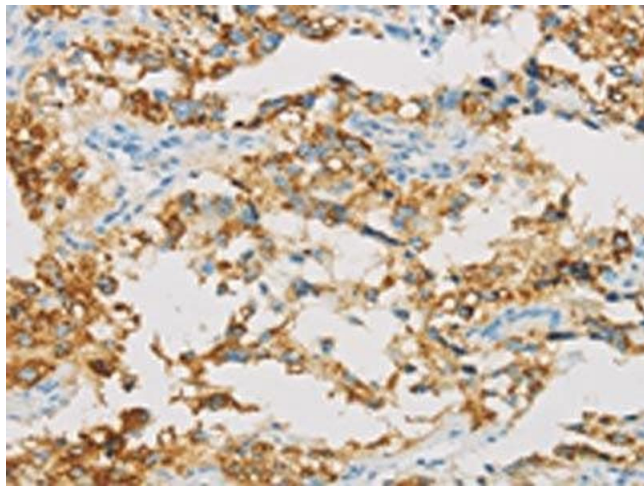
Buffer: -20 °C, pH 7.4 PBS, 0.05 % Sodium azide, 40 % Glycerol

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

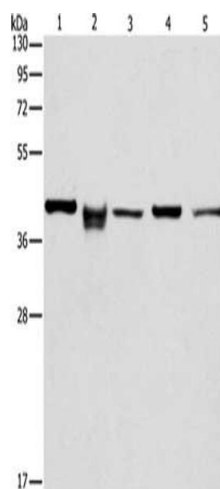
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ABIN7129804(IDH3B Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: x200)



Western Blotting

Image 2. Gel: 10 % SDS-PAGE, Lysate: 40 µg, Lane 1-5: HepG2 cells, mouse kidney tissue, lovo cells, mouse eyes tissue, hela cells, Primary antibody: ABIN7129804(IDH3B Antibody) at dilution 1/233.3, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 20 seconds