

## Anti-IDH3B antibody

<b>Cat. No.</b>	ml121733
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-IDH3B rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human IDH3B
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	0.2 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	IDH3B
<b>Full name</b>	isocitrate dehydrogenase 3 (NAD <sup>+</sup> ) beta
<b>Synonyms</b>	RP46; H-IDHB
<b>Swissprot</b>	O43837

### Target 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. 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.

订购热线: 4008-898-798

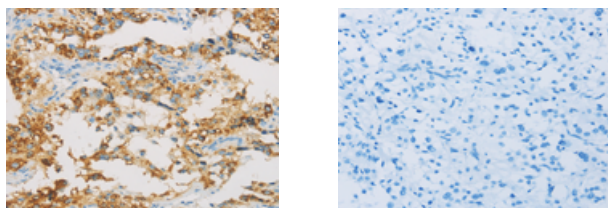
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml121733(IDH3B Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 42 kDa

Positive control: HepG2 cells and mouse kidney tissue, lovo cells and mouse eyes tissue, hela cells

Recommended dilution: 200-1000

Gel: 10% SDS-PAGE

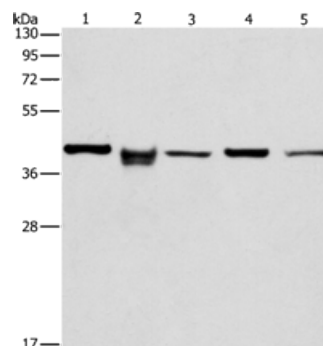
Lysate: 40  $\mu$ g

Lane 1-5: HepG2 cells, mouse kidney tissue, lovo cells, mouse eyes tissue, hela cells

Primary antibody: ml121733(IDH3B Antibody) at dilution 1/233.3

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 20 seconds



### ELISA

Recommended dilution: 1000-2000

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