

Datasheet for ABIN2790475
anti-IDH3B antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	IDH3B
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Guinea Pig, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IDH3B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human IDH3B
Sequence:	SEVQNMASEE KLEQVLSSMK ENKVAIIGKI HTPMEYKGEL ASYDMRLRRK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against IDH3B. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	IDH3B
Alternative Name:	IDH3B (IDH3B Products)

Target Details

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. Alias Symbols: FLJ11043, H-IDHB, MGC903, RP46 Protein Interaction Partner: TP53, SUMO2, ADRB2, MMS19, ATXN2, UBC, EBNA-LP, MAPK6, MYC, RAB35, PRMT1, IDH3A, IDH3G, Protein Size: 385
Molecular Weight:	42 kDa
Gene ID:	3420
NCBI Accession:	NM_006899 , NP_008830
UniProt:	O43837

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 385 AA
Restrictions:	For Research Use only

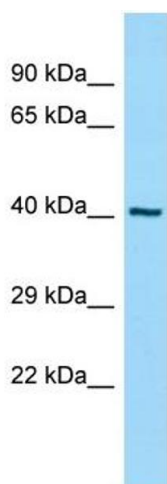
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-IDH3B Antibody Titration: 1.0 ug/ml Positive Control: Hela Whole Cell IDH3B is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells