

Rabbit anti-Human, Mouse IDH3B Polyclonal Antibody | anti-IDH3B antibody

IDH3B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303093	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

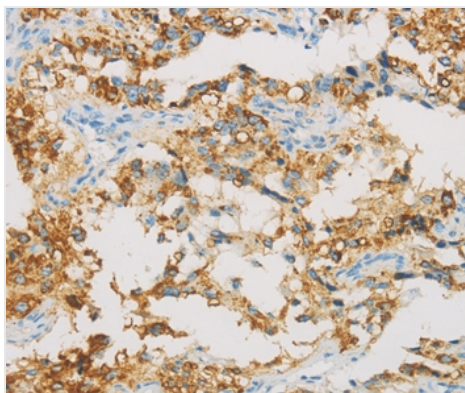
PRODUCT SYNONYMS

IDH3B; Polyclonal Antibody; IDH3B Antibody; RP46; H-IDHB; anti-IDH3B antibody

PRODUCT SPECIFICATIONS

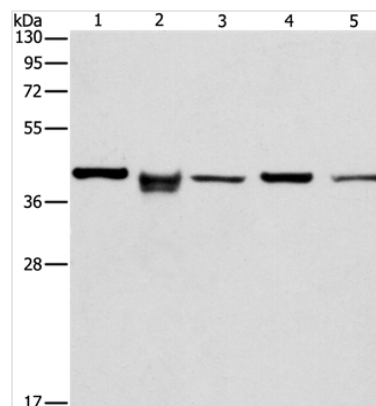
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total IDH3B protein.
Purity/Purification	Antigen affinity purification.
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Concentration	1.4 mg/ml (varies by lot)
Sequence Length	385
Applicable Applications for anti-IDH3B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human isocitrate dehydrogenase 3 (NAD ⁺) beta
Target Name	IDH3B
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/30.



Application Data

Gel: 10%SDS-PAGE Lysates (from left to right): HepG2 cell and mouse kidney tissue, Iovo cell and mouse eyes tissue, HeLa cell. Amount of lysate: 40ug per lane. Primary antibody: 1/233.3 dilution. Secondary antibody dilution: 1/8000. Exposure time: 20 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-IDH3B antibody	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.
Product Categories/Family for anti-IDH3B antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	28178821
NCBI GeneID	3420
NCBI Accession #	NP_008830.2
NCBI GenBank Nucleotide #	NM_006899.3
UniProt Accession #	O43837; O95106; Q5JXS8; Q9NQ06; Q9NQ07; Q9NUZ0; Q9UEX0; Q9UG99; B2RDR1; D3DVX2; D3DVX3
Molecular Weight	25,555 Da
NCBI Official Full Name	isocitrate dehydrogenase
NCBI Official Synonym Full Names	isocitrate dehydrogenase 3 (NAD+) beta
NCBI Official Symbol	IDH3B
NCBI Official Synonym Symbols	RP46; H-IDHB
NCBI Protein Information	isocitrate dehydrogenase [NAD] subunit beta, mitochondrial
UniProt Protein Name	Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial
UniProt Gene Name	IDH3B
UniProt Entry Name	IDH3B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/idh3b-antibody-immunohistochemistry-western-blot-elisa/303093>