

Rabbit IDH3A Polyclonal Antibody | anti-IDH3A antibody

IDH3A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328673	Rabbit	Human, Mouse, RatPredicted: Zebrafish, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus	Western Blot

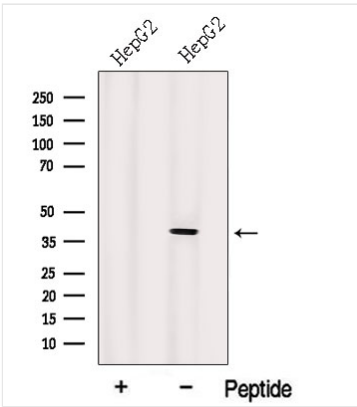
PRODUCT SYNONYMS

IDH3A; Polyclonal Antibody; IDH3A Antibody; H IDH alpha; HIDH alpha; IDH3A_HUMAN; Isocitrate dehydrogenase (NAD+) alpha chain precursor; Isocitrate dehydrogenase [NAD] subunit alpha; Isocitrate dehydrogenase [NAD] subunit alpha mitochondrial; Isocitrate dehydrogenase 3 (NAD+) alpha; Isocitrate dehydrogenase; Isocitric dehydrogenase; Isocitric dehydrogenase subunit alpha; mitochondrial; NAD; NAD(+)-specific ICDH subunit alpha; NAD(H) specific isocitrate dehydrogenase alpha subunit precursor; NAD+ specific ICDH; NADsubunit alpha mitochondrial precursor; OTTHUMP00000184906; anti-IDH3A antibody

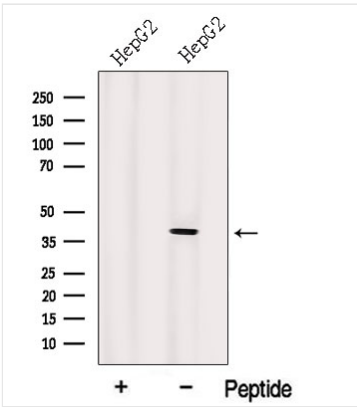
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Zebrafish, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	IDH3A Antibody detects endogenous levels of IDH3A.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	366
Applicable Applications for anti-IDH3A antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human IDH3A.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Mitochondrion
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using IDH3A Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from MCF7, using IDH3A Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IDH3A antibody	Description: Catalytic subunit of the enzyme which catalyzes the decarboxylation of isocitrate (ICT) into alpha-ketoglutarate. The heterodimer composed of the alpha (IDH3A) and beta (IDH3B) subunits and the heterodimer composed of the alpha (IDH3A) and gamma (IDH3G) subunits, have considerable basal activity but the full activity of the heterotetramer (containing two subunits of IDH3A, one of IDH3B and one of IDH3G) requires the assembly and cooperative function of both heterodimers. Subunit Structure: Heterooligomer of subunits alpha (IDH3A), beta (IDH3B), and gamma (IDH3G) in the apparent ratio of 2:1:1. The heterodimer containing one IDH3A and one IDH3B subunit and the heterodimer containing one IDH3A and one IDH3G subunit assemble into a heterotetramer (which contains two subunits of IDH3A, one of IDH3B and one of IDH3G) and further into the heterooctamer. Similarity: Belongs to the isocitrate and isopropylmalate dehydrogenases family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031777
NCBI GeneID	3419
NCBI Accession #	NP_005521.1
NCBI GenBank Nucleotide #	NP_005521.1
UniProt Accession #	P50213
Molecular Weight	Observed: 40 kDa Predicted: 40 kDa
NCBI Official Full Name	isocitrate dehydrogenase
NCBI Official Synonym Full Names	isocitrate dehydrogenase (NAD(+)) 3 catalytic subunit alpha
NCBI Official Symbol	IDH3A
NCBI Protein Information	isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial
UniProt Protein Name	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial
UniProt Gene Name	IDH3A
UniProt Entry Name	IDH3A_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/idh3a-antibody-western-blot-elisa/328673>