

Rabbit IDH3G Polyclonal Antibody | anti-IDH3G antibody

IDH3G Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288051	Rabbit	Human (Predicted Reactivity: Bovine, Monkey)	Western Blot, ELISA, Flow Cytometry, Functional Assay

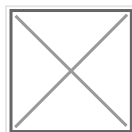
PRODUCT SYNONYMS

IDH3G; Polyclonal Antibody; IDH3G Antibody (C-term); Isocitrate dehydrogenase [NAD] subunit gamma; mitochondrial; Isocitric dehydrogenase subunit gamma; NAD(+)-specific ICDH subunit gamma; anti-IDH3G antibody

PRODUCT SPECIFICATIONS

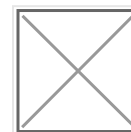
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IDH3G antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 366-393 amino acids from the C-terminal region of human IDH3G.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	366-393
Sequence Length	393
Applicable Applications for anti-IDH3G antibody	WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

IDH3G Antibody (C-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

Western blot analysis of lysate from human placenta tissue lysate, using IDH3G Antibody (C-term). AAA288051 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-IDH3G 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 gamma subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. This gene is a candidate gene for periventricular heterotopia.
Product Categories/Family for anti-IDH3G antibody	Metabolism; Signal Transduction
References	Bzymek, K.P., et al. Biochemistry 46(18):5391-5397(2007) Soundar, S., et al. J. Biol. Chem. 281(30):21073-21081(2006) Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000) Weiss, C., et al. Biochemistry 39(7):1807-1816(2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758582
NCBI GeneID	3421
NCBI Accession #	NP_004126.1; NP_777358.1
NCBI GenBank Nucleotide #	NM_004135.3
UniProt Accession #	P51553; Q9BUU5; E9PDD5
Molecular Weight	42794
NCBI Official Full Name	isocitrate dehydrogenase
NCBI Official Synonym Full Names	isocitrate dehydrogenase 3 (NAD+) gamma
NCBI Official Symbol	IDH3G
NCBI Official Synonym Symbols	H-IDHG
NCBI Protein Information	isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial
UniProt Protein Name	Isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial
UniProt Gene Name	IDH3G
UniProt Entry Name	IDH3G_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/idh3g-antibody-western-blot-flow-cytometry-elisa/288051>