

Rabbit IDH2 Polyclonal Antibody | anti-IDH2 antibody

IDH2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327521	Rabbit	Human, Mouse, Rat	Immunohistochemistry, ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

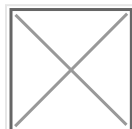
PRODUCT SYNONYMS

IDH2; Polyclonal Antibody; IDH2 Antibody; D2HGA2; ICD-M; IDH; IDHM; IDHP_HUMAN; IDP; IDPM; Isocitrate dehydrogenase [NADP]; mitochondrial; Isocitrate dehydrogenase 2 (NADP+); mNADP-IDH; NADP(+)-specific ICDH; Oxalosuccinate decarboxylase; anti-IDH2 antibody

PRODUCT SPECIFICATIONS

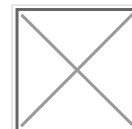
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IDH2 antibody detects endogenous levels of total IDH2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	400
Applicable Applications for anti-IDH2 antibody	IHC (Immunohistochemistry), ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IDH2
Subcellular Location	Mitochondrion.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327521 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis IDH2 using COS7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-IDH2 antibody	Function: Plays a role in intermediary metabolism and energy production. It may tightly associate or interact with the pyruvate dehydrogenase complex. Subunit Structure: Homodimer. Post-translational Modifications: Acetylation at Lys-413 dramatically reduces catalytic activity. Deacetylated by SIRT3. Similarity: Belongs to the isocitrate and isopropylmalate dehydrogenases family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	583966148
NCBI GeneID	3418
NCBI Accession #	NP_001276839.1
NCBI GenBank Nucleotide #	NM_001289910.1
UniProt Accession #	P48735; Q96GT3; B2R6L6; B4DFL2
Molecular Weight	Observed: 50 kDa Predicted: 51 kDa
NCBI Official Full Name	isocitrate dehydrogenase
NCBI Official Synonym Full Names	isocitrate dehydrogenase (NADP(+)) 2, mitochondrial
NCBI Official Symbol	IDH2
NCBI Official Synonym Symbols	IDH; IDP; IDHM; IDPM; ICD-M; D2HGA2; mNADP-IDH
NCBI Protein Information	isocitrate dehydrogenase [NADP], mitochondrial
UniProt Protein Name	Isocitrate dehydrogenase [NADP], mitochondrial
UniProt Gene Name	IDH2
UniProt Synonym Gene Names	IDH

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/idh2-antibody-immunohistochemistry-immunocytochemistry-immunofluorescence-western-blot-elisa/327521>