

Rabbit IDH1 Polyclonal Antibody | anti-IDH1 antibody

IDH1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA319917	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

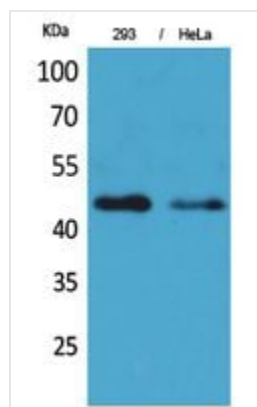
PRODUCT SYNONYMS

IDH1; Polyclonal Antibody; IDH1 Antibody; Isocitrate dehydrogenase [NADP] cytoplasmic; PICD; IDH; Cytosolic NADP-isocitrate dehydrogenase; IDP; NADP(+)-specific ICDH; Oxalosuccinate decarboxylase; anti-IDH1 antibody

PRODUCT SPECIFICATIONS

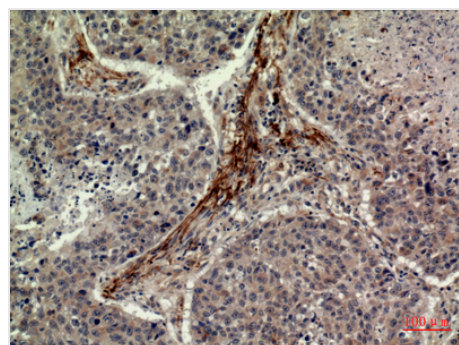
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	IDH1 Polyclonal Antibody detects endogenous levels of IDH1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-IDH1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthesized peptide derived from the N-terminal region of human IDH1.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



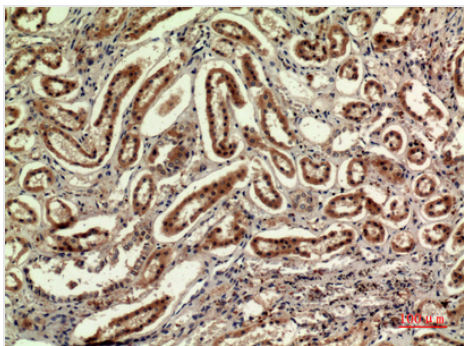
WB (Western Blot)

Western Blot analysis of 293, HeLa cells using IDH1 Polyclonal Antibody. Secondary antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-IDH1 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. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the cytoplasm and peroxisomes. It contains the PTS-1 peroxisomal targeting signal sequence. The presence of this enzyme in peroxisomes suggests roles in the regeneration of NADPH for intraperoxisomal reductions, such as the conversion of 2, 4-dienoyl-CoAs to
Product Categories/Family for anti-IDH1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	119590846
NCBI GeneID	3417
UniProt Accession #	O75874 ; Q567U4 ; Q6FHQ6 ; Q7Z3V0 ; Q93090 ; Q9NTJ9 ; Q9UKW8
Molecular Weight	46,659 Da
NCBI Official Full Name	isocitrate dehydrogenase 1 (NADP+), soluble, isoform CRA_b
NCBI Official Synonym Full Names	isocitrate dehydrogenase 1 (NADP+), soluble
NCBI Official Symbol	IDH1
NCBI Official Synonym Symbols	IDH; IDP; IDCD; IDPC; PICD; HEL-216; HEL-S-26
NCBI Protein Information	isocitrate dehydrogenase [NADP] cytoplasmic; isocitrate dehydrogenase [NADP] cytoplasmic; NADP(+)-specific ICDH; oxalosuccinate decarboxylase; epididymis luminal protein 216; epididymis secretory protein Li 26; NADP-dependent isocitrate dehydrogenase, cyt
UniProt Protein Name	Isocitrate dehydrogenase [NADP] cytoplasmic
UniProt Gene Name	IDH1
UniProt Synonym Gene Names	PICD; IDH
UniProt Entry Name	IDHC_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.