

Rabbit IDH1 Polyclonal Antibody | anti-IDH1 antibody

Rabbit anti-IDH1 Antibody, Affinity Purified

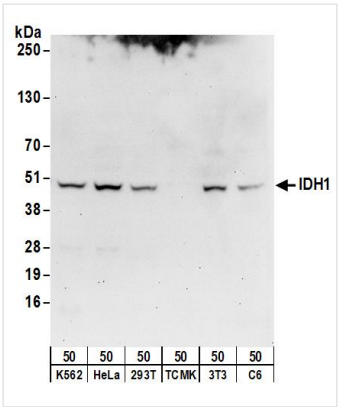
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212523	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

IDH1; Polyclonal Antibody; Rabbit anti-IDH1 Antibody; Affinity Purified; NADP-dependent isocitrate dehydrogenase; cytosolic; PICD; peroxisomal; NADP(+)-specific IDH; isocitrate dehydrogenase 1 (NADP+); soluble; isocitrate dehydrogenase [NADP] cytoplasmic; IDPC; IDP; IDCD; HEL-S-26; HEL-216; epididymis secretory sperm binding protein; epididymis secretory protein Li 26; epididymis luminal protein 216; Cytosolic NADP-isocitrate dehydrogenase; IDH; oxalosuccinate decarboxylase; Isocitrate dehydrogenase [NADP] cytoplasmic; isocitrate dehydrogenase (NADP(+)) 1; anti-IDH1 antibody

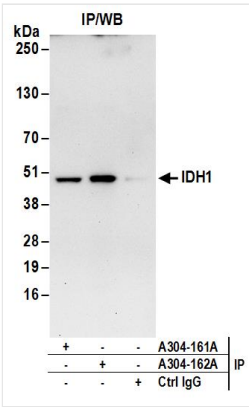
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-IDH1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 364 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)

Detection of human, mouse and rat IDH1 by western blot. Samples: Whole cell lysate (50 ug) from K-562, HeLa, HEK293T, mouse TCMK-1, mouse NIH 3T3, and rat C6 cells. Antibodies: Affinity purified rabbit anti-IDH1 antibody AAA212523 (lot AAA212523-1) used for WB at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human IDH1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from Jurkat cells. Antibodies: Affinity purified rabbit anti-IDH1 antibody AAA212523 (lot AAA212523-1) used for IP at 6 ug/mg lysate. IDH1 was also immunoprecipitated by rabbit anti-IDH1 antibody For blotting immunoprecipitated IDH1, AAA212523 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

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. IDH1 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 3-enoyl-CoAs, as well as in peroxisomal reactions that consume 2-oxoglutarate, namely the alpha-hydroxylation of phytanic acid. The cytoplasmic enzyme serves a significant role in cytoplasmic NADPH production [taken from NCBI Entrez Gene (Gene ID: 3417)].
Product Categories/Family for anti-IDH1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	28178825
NCBI GeneID	3417
NCBI Accession #	NP_005887.2
NCBI GenBank Nucleotide #	NM_005896.3
UniProt Accession #	O75874; Q567U4; Q6FHQ6; Q7Z3V0; Q93090; Q9NTJ9; Q9UKW8
Molecular Weight	46,659 Da
NCBI Official Full Name	isocitrate dehydrogenase
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/idh1-antibody-immunoprecipitation-western-blot-elisa/212523>