

Rabbit MDH1 Polyclonal Antibody | anti-MDH1 antibody

MDH1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323115	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

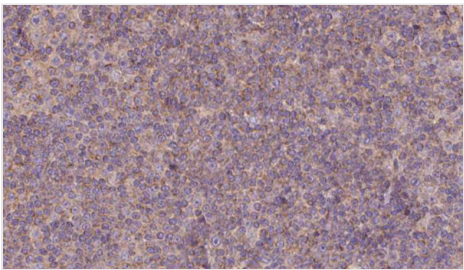
PRODUCT SYNONYMS

MDH1; Polyclonal Antibody; MDH1 Antibody; cytoplasmic; Cytosolic malate dehydrogenase; Diiodophenylpyruvate reductase; Malate dehydrogenase 1; NAD (soluble); Malate dehydrogenase; Malate dehydrogenase cytoplasmic; MDH s; mdh1; MDHA; MDHC_HUMAN; MDHs; MGC:1375; MOR2; Soluble malate dehydrogenase; anti-MDH1 antibody

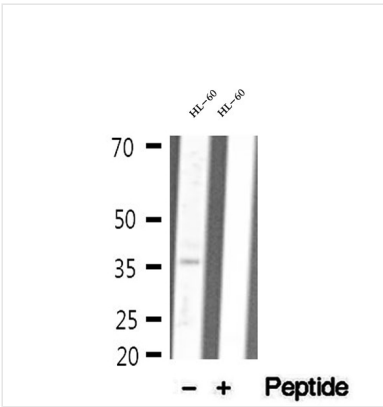
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MDH1 antibody detects endogenous levels of MDH1.
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	352
Applicable Applications for anti-MDH1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MDH1.
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (92%), Dog (92%), Chicken (92%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323115 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of HL-60 cells, using MDH1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MDH1 antibody	Function: (S)-malate + NAD+ = oxaloacetate + NADH. Subunit Structure: Homodimer. Post-translational Modifications: ISGylated. Acetylation at Lys-118 dramatically enhances enzymatic activity and promotes adipogenic differentiation. Similarity: Belongs to the LDH/MDH superfamily. MDH type 2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312283701
NCBI GeneID	4190
NCBI Accession #	NP_001186040.1
NCBI GenBank Nucleotide #	NM_001199111.1
UniProt Accession #	P40925; Q6I9V0; B2R5V5; B4DUN2; B7Z3I7; F5H098
Molecular Weight	Observed: 36 kDa Predicted: 37 kDa
NCBI Official Full Name	malate dehydrogenase, cytoplasmic isoform 2
NCBI Official Synonym Full Names	malate dehydrogenase 1
NCBI Official Symbol	MDH1
NCBI Official Synonym Symbols	MDHA; MOR2; MDH-s; HEL-S-32; MGC:1375
NCBI Protein Information	malate dehydrogenase, cytoplasmic; malate dehydrogenase, peroxisomal
UniProt Protein Name	Malate dehydrogenase, cytoplasmic
UniProt Gene Name	MDH1
UniProt Synonym Gene Names	MDHA

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.