

Rabbit MDH1 Polyclonal Antibody | anti-MDH1 antibody

MDH1 Antibody (C-term)

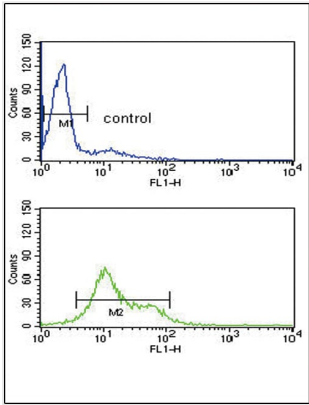
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286662	Rabbit	Human (Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rat)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

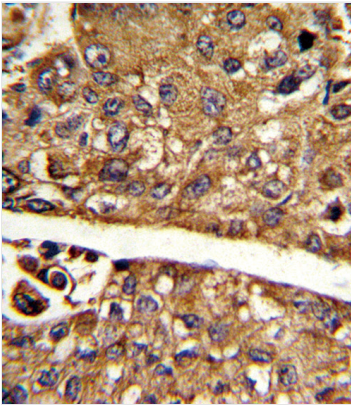
MDH1; Polyclonal Antibody; MDH1 Antibody (C-term); Malate dehydrogenase; cytoplasmic; Cytosolic malate dehydrogenase; Diiodophenylpyruvate reductase; MDHA; anti-MDH1 antibody

PRODUCT SPECIFICATIONS

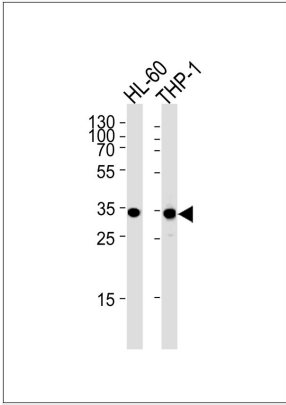
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MDH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 286-314 amino acids from the C-terminal region of human MDH1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	286-314
Sequence Length	352
Applicable Applications for anti-MDH1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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.



FCM/FACS (Flow Cytometry)
MDH1 Antibody (C-term) flow cytometry analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with MDH1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
MDH1 Antibody (C-term) western blot analysis in HL-60,THP-1 cell line lysates (35ug/lane).This demonstrates the MDH1 antibody detected the MDH1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MDH1 antibody	MDH1 is localized to the cytoplasm and may play pivotal roles in the malate-aspartate shuttle that operates in the metabolic coordination between cytosol and mitochondria.
Product Categories/Family for anti-MDH1 antibody	Crown Antibodies; Cancer; Metabolism; Signal Transduction
References	Lee,S.M., et.al., Cell Death Differ. 16 (5), 738-748 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	312283701
NCBI GeneID	4190
NCBI Accession #	NP_001186040.1; NP_001186041.1; NP_005908.1
NCBI GenBank Nucleotide #	NM_001199111.1
UniProt Accession #	P40925; Q6I9V0; B2R5V5; B4DUN2; B7Z3I7; F5H098
Molecular Weight	36426
NCBI Official Full Name	malate dehydrogenase, cytoplasmic isoform 1

NCBI Official Synonym Full Names	malate dehydrogenase 1, NAD (soluble)
NCBI Official Symbol	MDH1
NCBI Official Synonym Symbols	MDHA; MOR2; MDH-s; HEL-S-32; MGC:1375
NCBI Protein Information	malate dehydrogenase, cytoplasmic
UniProt Protein Name	Malate dehydrogenase, cytoplasmic
UniProt Gene Name	MDH1
UniProt Synonym Gene Names	MDHA
UniProt Entry Name	MDHC_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/mdh1-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/286662>