

Rabbit MDH2 Polyclonal Antibody | anti-MDH2 antibody

MDH2 Antibody (Center)

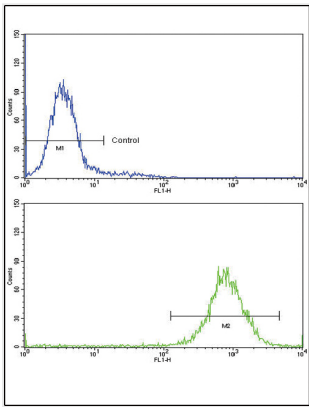
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289831	Rabbit	Human, mouse (Predicted Reactivity: Yeast, Bovine, C Elegans, Monkey, Pig, Rat)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

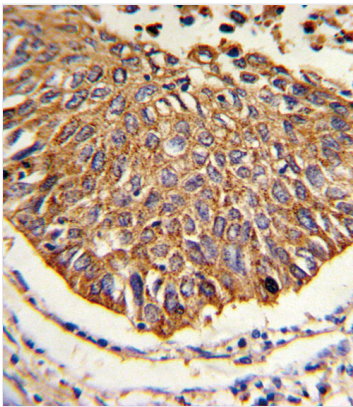
MDH2; Polyclonal Antibody; MDH2 Antibody (Center); Malate dehydrogenase; mitochondrial; anti-MDH2 antibody

PRODUCT SPECIFICATIONS

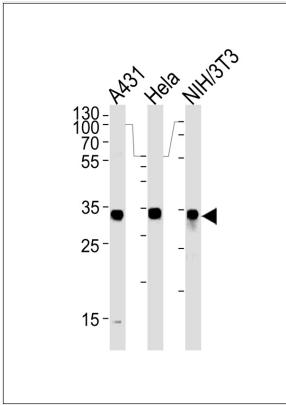
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Yeast, Bovine, C Elegans, Monkey, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MDH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 86-115 amino acids from the Central region of human MDH2.
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.
Sequence Positions	86-115
Sequence Length	296
Applicable Applications for anti-MDH2 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Cellular location	Mitochondrion matrix {ECO:0000250} UniprotKB:P04636
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8° for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of K562 cells using MDH2 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram) FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with MDH2 Antibody (Center), 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)
MDH2 Antibody (Center) western blot analysis in A431, HeLa and mouse NIH/3T3 cell line lysates (35ug/lane). This demonstrates the MDH2 antibody detected the MDH2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MDH2 antibody	MDH2 is localized to the mitochondria 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-MDH2 antibody	Crown Antibodies; Cancer; Metabolism; Signal Transduction
References	Rzem,R.,et.al., J. Inherit. Metab. Dis. 30 (5), 681-689 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	538919685
NCBI GeneID	4191
NCBI Accession #	NP_001269332.1; NP_001269333.1; NP_005909.2
NCBI GenBank Nucleotide #	NM_001282403.1
UniProt Accession #	P40926; O43682; A8K414; B2RE78; B4DE44; E9PDB2
Molecular Weight	35503

NCBI Official Full Name	malate dehydrogenase, mitochondrial isoform 2
NCBI Official Synonym Full Names	malate dehydrogenase 2, NAD (mitochondrial)
NCBI Official Symbol	MDH2
NCBI Official Synonym Symbols	MDH; MOR1; M-MDH; MGC:3559
NCBI Protein Information	malate dehydrogenase, mitochondrial
UniProt Protein Name	Malate dehydrogenase, mitochondrial
UniProt Gene Name	MDH2
UniProt Entry Name	MDHM_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/mdh2-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/289831>