

Rabbit anti-Human, Mouse MDH2 Polyclonal Antibody | anti-MDH2 antibody

MDH2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281088	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

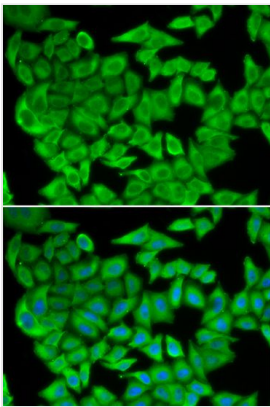
PRODUCT SYNONYMS

MDH2; Polyclonal Antibody; MDH2 Polyclonal Antibody; EIEE51; M-MDH; MDH; MGC:3559; MOR1; anti-MDH2 antibody

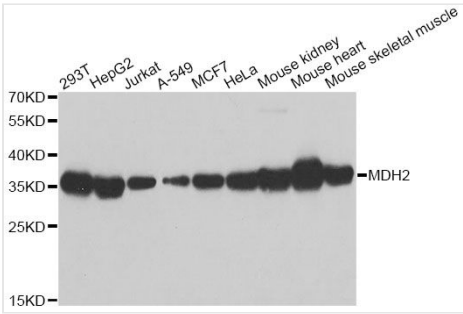
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	AHTPGVAADL SHIETKAAVK GYLGPQLPD CLKGCDVVVI PAGVPRKPGM TRDDLFTNA TIVATLTAAC AQHCPEAMIC VIANPVNSTI PITAIEVFKKH GVYNPNKIFG VTTLDIVRAN TFVAELKGLD PARVNVPIG GHAGKTIPL ISQCTPKVDF PQDQLTALTG RIQEAGTEVV KAKAGAGSAT LSMAYAGARF VFSLVDAMNG KEGVVECSFV KSQETECTYF STPLLLGKKG IEKNLGIGKV SSFEE
Sequence Length	296
Applicable Applications for anti-MDH2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human MDH2
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Mitochondrion matrix
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using MDH2 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using MDH2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-MDH2 antibody	Malate dehydrogenase catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. The protein encoded by this gene 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. Several transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-MDH2 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	538919685
NCBI GeneID	4191
NCBI Accession #	NP_001269332.1
NCBI GenBank Nucleotide #	NM_001282403.1
UniProt Accession #	P40926; O43682; A8K414; B2RE78; B4DE44; E9PDB2
Molecular Weight	Calculated: 30kDa; 35kDa Observed: 35kDa
NCBI Official Full Name	malate dehydrogenase, mitochondrial isoform 2
NCBI Official Synonym Full Names	malate dehydrogenase 2
NCBI Official Symbol	MDH2
NCBI Official Synonym Symbols	MDH; MOR1; M-MDH; EIEE51; MGC:3559
NCBI Protein Information	malate dehydrogenase, mitochondrial
UniProt Protein Name	Malate dehydrogenase, mitochondrial
UniProt Gene Name	MDH2

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.