

MDH2 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5150

Specification

MDH2 Antibody (Center) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P40926
Other Accession	P04636 , P00346 , P08249 , Q4R568 , O02640 , Q32LG3 , P22133
Reactivity	Human, Mouse
Predicted	Yeast, Bovine, C.Elegans, Monkey, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=36;M=36;Rat=36 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

MDH2 Antibody (Center) - Additional Information

Gene ID 4191

Antigen Region
86-115

Other Names
MDH2; Malate dehydrogenase, mitochondrial

Dilution
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

Target/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.

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MDH2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MDH2 Antibody (Center) - Protein Information

Name MDH2

Cellular Location

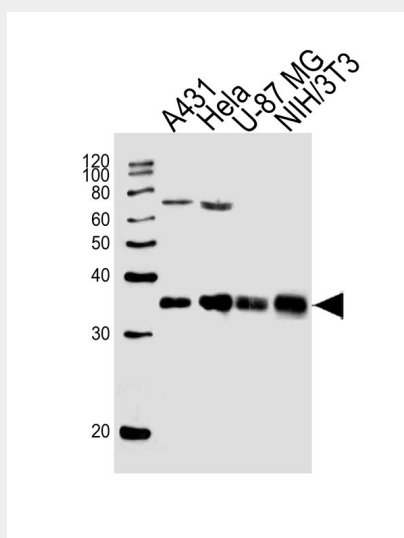
Mitochondrion matrix {ECO:0000250|UniProtKB:P04636}

MDH2 Antibody (Center) - Protocols

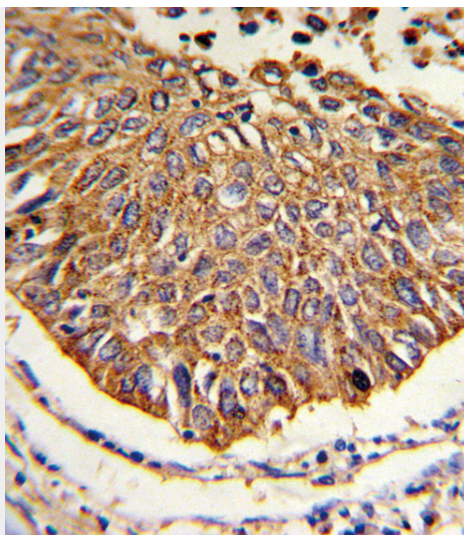
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

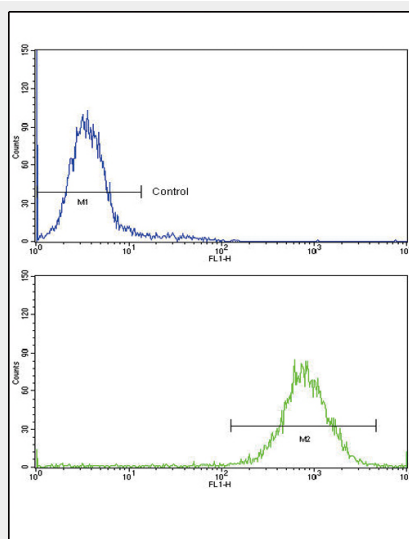
MDH2 Antibody (Center) - Images



Western blot analysis of lysates from A431, HeLa, U-87 MG, NIH/3T3 cell line (from left to right), using MDH2 Antibody (Center)(Cat. #AW5150). AW5150 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



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.



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.

MDH2 Antibody (Center) - Background

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.

MDH2 Antibody (Center) - References

Rzem,R.,et.al., J. Inherit. Metab. Dis. 30 (5), 681-689 (2007)