

MDH2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2909c

Specification

MDH2 Antibody (Center) - Product Information

Application WB, FC, IHC-P,E

Primary Accession P40926

Other Accession <u>P04636</u>, <u>P00346</u>, <u>P08249</u>, <u>Q4R568</u>, <u>Q02640</u>,

Q32LG3, P22133

Reactivity Human, Mouse
Predicted Yeast, Bovine, C.Elegans, Monkey, Pig, Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Antigen Region 86-115

MDH2 Antibody (Center) - Additional Information

Gene ID 4191

Other Names

Malate dehydrogenase, mitochondrial, MDH2

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.

Dilution

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

E~~Use at an assay dependent concentration.

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.

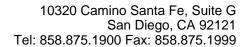
Storage

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

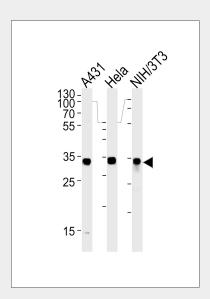
Mitochondrion matrix {ECO:0000250|UniProtKB:P04636}

MDH2 Antibody (Center) - Protocols

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

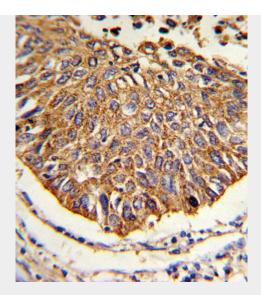
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MDH2 Antibody (Center) - Images

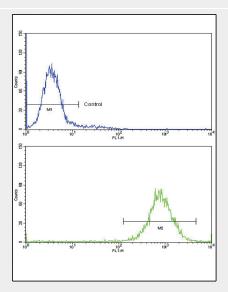


MDH2 Antibody (Center) (Cat. #AP2909c) western blot analysis in A431,Hela and mouse NIH/3T3 cell line lysates (35ug/lane).This demonstrates the MDH2 antibody detected the MDH2 protein (arrow).





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) MDH2 Antibody (Center) - Citations

• SEIPIN Isoforms Interact with the Membrane-Tethering Protein VAP27-1 for Lipid Droplet Formation