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MDH2 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2909c

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**
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
IHC-P~~1:10~50
FC~~1:10~50

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

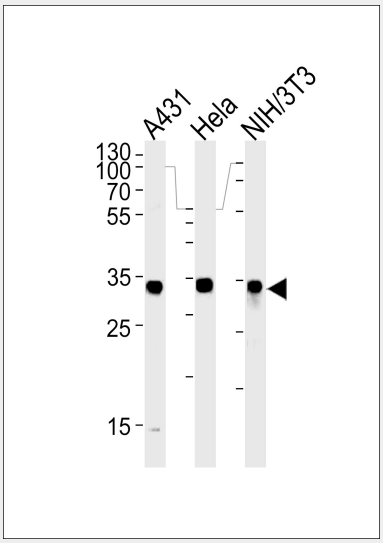
Cellular Location
Mitochondrion matrix {ECO:0000250|UniProtKB:P04636}

MDH2 Antibody (Center) - Protocols

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

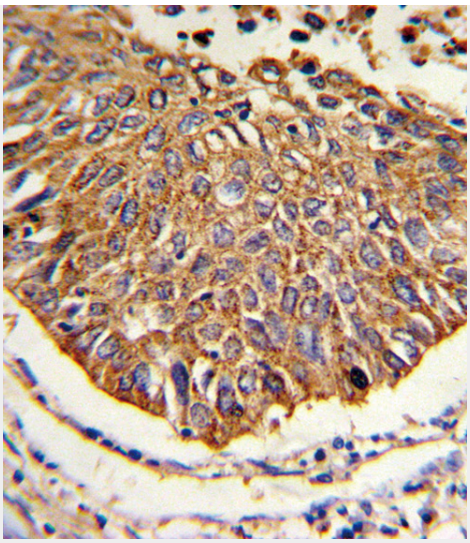
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MDH2 Antibody (Center) - Images

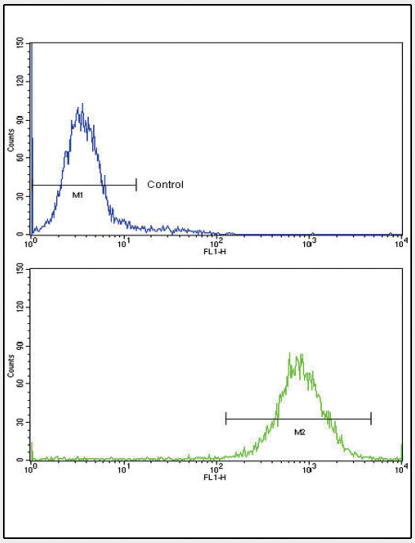


MDH2 Antibody (Center) (Cat. #AP2909c) western blot analysis in A431,Hela and mouse NIH/3T3 cell line lysates (35ug/lane).This demonstrates the MDH2 antibody detected the MDH2 protein (arrow).

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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
- Spatial control of lipid droplet proteins by the ERAD ubiquitin ligase Doa10.

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