

MDH1 Rabbit mAb

Catalog # AP77048

Product Information

Application	WB, FC, IP, ICC
Primary Accession	P40925
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	36426

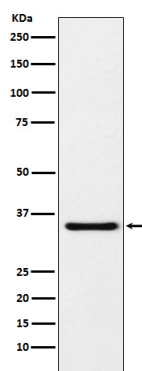
Additional Information

Gene ID	4190
Other Names	MDH1
Dilution	WB~~1/500-1/1000 FC~~1:10~50 IP~~N/A ICC~~N/A
Format	10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	MDH1 {ECO:0000303 PubMed:34012073, ECO:0000312 HGNC:HGNC:6970}
Function	Catalyzes the reduction of aromatic alpha-keto acids in the presence of NADH (PubMed: 2449162 , PubMed: 3052244). Plays essential roles in the malate-aspartate shuttle and the tricarboxylic acid cycle, important in mitochondrial NADH supply for oxidative phosphorylation (PubMed: 31538237). Catalyzes the reduction of 2-oxoglutarate to 2-hydroxyglutarate, leading to elevated reactive oxygen species (ROS) (PubMed: 34012073).
Cellular Location	Cytoplasm, cytosol.

Images



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