
Product name:	MDH1 (4Q13) Rabbit Monoclonal Antibody
Cat number:	MABN13752
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide of human MDH1
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:2000-1:20000,ICC/IF 1:100-1:200,FC 1:20-1:50,IP 1:50-1:100
Molecular Weight:	36kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	Belongs to the LDH/MDH superfamily. MDH type 2 family. Catalyzes the reduction of aromatic alpha-keto acids in the presence of NADH (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).