

## Anti-MDH1 Antibody (60616)

## Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Human
Clone:	60616
Purification:	Protein G purified

## Applications

Verified Activity:	1. Cell line: HepG2
	Fixative: 100% Ice-cold methanol
	Permeabilization: 0.1% TritonX-100
	Primary ab dilution: 1:50
	Primary incubation condition: 4°C overnight Nuclear counter stain: DAPI (Blue)
	Comment: Color green is the positive signal for TMAB-08689
	2. Blocking buffer: 5% NFDM/TBST
	Primary ab dilution: 1:1000
	Primary ab incubation condition: 4°C overnight
	Lysate: HeLa, MCF-7, A549, Jurkat
Protein loading quantity: 20 µg	
Exposure time: 60 s	
Predicted MW: 36 kDa	
Observed MW: 36 kDa	
Application:	WB, ICC/IF
Recommended	WB: 1:500-1000; ICC/IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Gene ID:	4190
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## Research Background

Malate dehydrogenase catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. Malate dehydrogenase 1 (MDH1) is localized to the cytoplasm and may play pivotal roles in the malate-aspartate shuttle that operates in the metabolic coordination between cytosol and mitochondria.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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