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**Product Name: MDH2 Rabbit Monoclonal Antibody****Catalog #: AMRe85775**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100
<b>Molecular Weight</b>	Calculated MW: 36 kDa; Observed MW: 36 kDa

**Antigen Information**

<b>Gene Name</b>	MDH2
<b>Alternative Names</b>	MDH; MOR1; M-MDH; EIEE51; MGC:3559
<b>Gene ID</b>	4191.0
<b>SwissProt ID</b>	P40926
<b>Immunogen</b>	A synthetic peptide of human MDH2

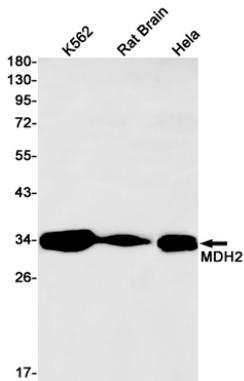
**Background**

Malate dehydrogenase catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. The protein encoded by this gene 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. Several transcript variants

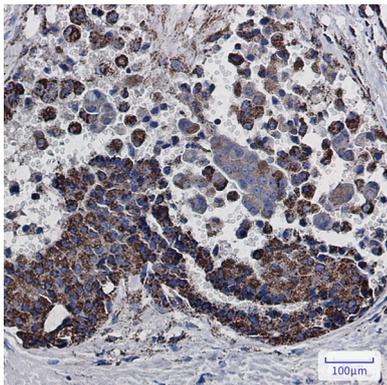
encoding different isoforms have been found for this gene.

## Research Area

## Image Data



Western blot analysis of MDH2 in K562, rat Brain, HeLa lysates using MDH2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using MDH2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.