

Datasheet for ABIN389448

**anti-MDH2 antibody (AA 86-115)**

3 Images

1 Publication

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## Overview

Quantity:	400 µL
Target:	MDH2
Binding Specificity:	AA 86-115
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MDH2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	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.
Clone:	RB20827
Isotype:	Ig Fraction
Predicted Reactivity:	Y, B, E, Pr, Pig, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	MDH2
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## Target Details

Alternative Name:	MDH2 ( <a href="#">MDH2 Products</a> )
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.
Molecular Weight:	35503
Gene ID:	4191
NCBI Accession:	<a href="#">NP_001269332</a> , <a href="#">NP_001269333</a> , <a href="#">NP_005909</a>
UniProt:	<a href="#">P40926</a>

## Application Details

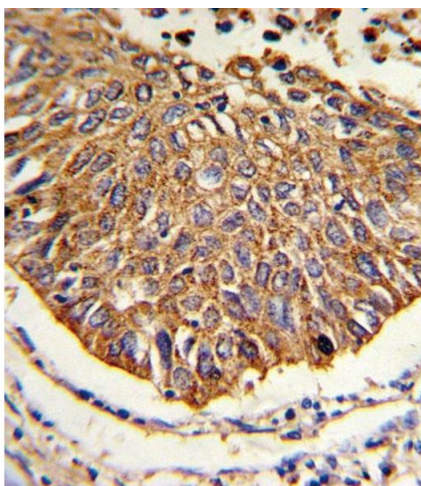
Application Notes:	WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

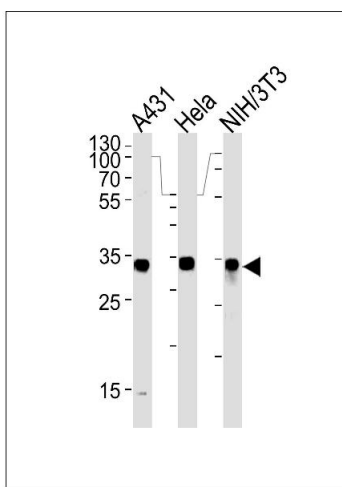
## Publications

Product cited in:	Kevin Li-Chun, Schob, Zeller, Pulli, Ali, Wang, Chiou, Tsang, Lee, Stossel, Chen: "Gelsolin decreases actin toxicity and inflammation in murine multiple sclerosis." in: <b>Journal of neuroimmunology</b> , Vol. 287, pp. 36-42, (2015) ( <a href="#">PubMed</a> ).
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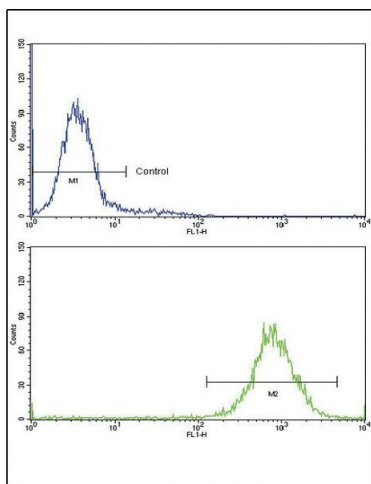
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** 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.



### Western Blotting

**Image 2.** MDH2 Antibody (Center) (ABIN389448 and ABIN2839518) western blot analysis in A431, HeLa and mouse NIH/3T3 cell line lysates (35 µg/lane). This demonstrates the MDH2 antibody detected the MDH2 protein (arrow).



### Flow Cytometry

**Image 3.** 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.