

## IDH2 antibody

Catalog No: #39188

Package Size: #39188-1 50ul #39188-2 100ul

Orders: order@signalwayantibody.com

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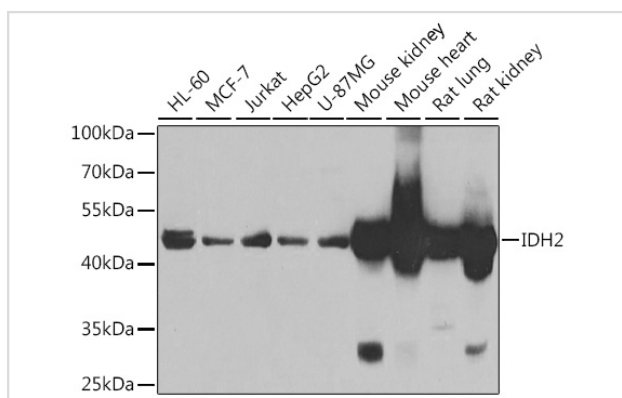
## Description

Product Name	IDH2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total IDH2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human IDH2 (NP_002159.2).
Target Name	IDH2
Other Names	IDH2;D2HGA2;ICD-M;IDH;IDHM;IDP;IDPM;mNADP-IDH
Accession No.	Uniprot:P48735GeneID:3418
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GeneID	3418
SDS-PAGE MW	51kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

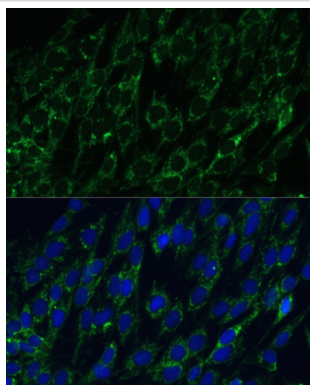
## Application Details

WB □ 1:500 - 1:2000 IF □ 1:20 - 1:50

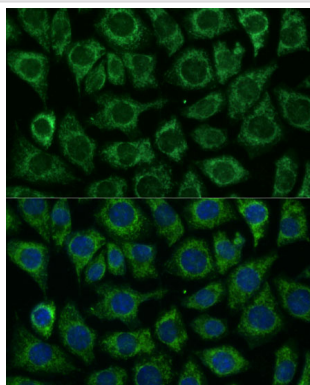
## Images



Western blot analysis of extracts of various cell lines, using IDH2 antibody.



Immunofluorescence analysis of C6 cells using IDH2 antibody.



Immunofluorescence analysis of L929 cells using IDH2 antibody.

## Background

Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. Alternative splicing results in multiple transcript variants.

Note: This product is for in vitro research use only