

### **Anti-IDH1 Rabbit Monoclonal Antibody**

Catalog # ABO15734

### **Specification**

## **Anti-IDH1 Rabbit Monoclonal Antibody - Product Information**

Application WB, IHC, IP
Primary Accession O75874
Host Rabbit
Isotype IgG

Reactivity Rat, Human, Mouse

Clonality Monoclonal Format Liquid

**Description** 

Anti-IDH1 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

## **Anti-IDH1 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID 3417** 

### **Other Names**

Isocitrate dehydrogenase [NADP] cytoplasmic, IDH, IDH1, 1.1.1.42, Cytosolic NADP-isocitrate dehydrogenase, IDPc, NADP(+)-specific ICDH, Oxalosuccinate decarboxylase, IDH1, PICD

# **Calculated MW**

47 kDa KDa

## **Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>IP 1:50

#### **Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### **Immunogen**

A synthesized peptide derived from human IDH1

### **Purification**

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

### **Anti-IDH1 Rabbit Monoclonal Antibody - Protein Information**

Name IDH1



## **Synonyms PICD**

### **Function**

Catalyzes the NADP(+)-dependent oxidative decarboxylation of isocitrate (D-threo-isocitrate) to 2-ketoglutarate (2-oxoglutarate), which is required by other enzymes such as the phytanoyl-CoA dioxygenase (PubMed:<a href="http://www.uniprot.org/citations/10521434"

target="\_blank">10521434</a>, PubMed:<a href="http://www.uniprot.org/citations/19935646" target="\_blank">19935646</a>). Plays a critical role in the generation of NADPH, an important cofactor in many biosynthesis pathways (PubMed:<a

href="http://www.uniprot.org/citations/10521434" target="\_blank">10521434</a>). May act as a corneal epithelial crystallin and may be involved in maintaining corneal epithelial transparency (By similarity).

#### **Cellular Location**

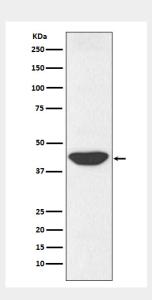
Cytoplasm, cytosol. Peroxisome

### **Anti-IDH1 Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **Anti-IDH1 Rabbit Monoclonal Antibody - Images**



Western blot analysis of IDH1 expression in HepG2 cell lysate.