

# IDH-1

Mouse Monoclonal antibody(Mab)

Catalog # AD80295

## Product Information

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Application	IHC-P
Primary Accession	<a href="#">O75874</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	742E8D6
Calculated MW	46659

## Additional Information

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Gene ID	3417
Gene Name	IDH1
Other Names	Isocitrate dehydrogenase [NADP] cytoplasmic, IDH, IDH1, 1.1.1.42, Cytosolic NADP-isocitrate dehydrogenase, IDPc, NADP(+)-specific ICDH, Oxalosuccinate decarboxylase, IDH1, PICD
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	IDH-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

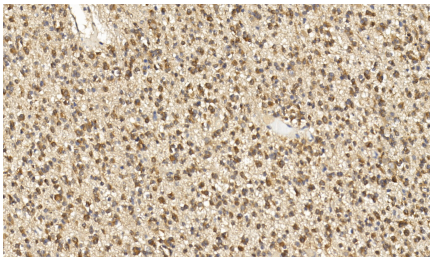
## Protein Information

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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="#">10521434</a> , PubMed: <a href="#">19935646</a> ). Plays a critical role in the generation of NADPH, an important cofactor in many biosynthesis pathways (PubMed: <a href="#">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

## Images

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.