

# IDH-1

Mouse Monoclonal antibody(Mab)  
Catalog # AD80295

## Product Information

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

## Additional Information

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

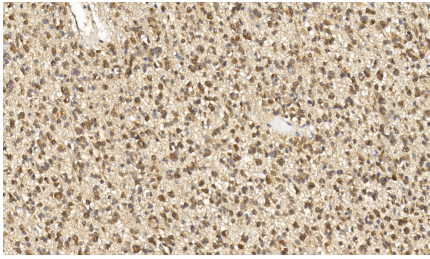
## Protein Information

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<b>Name</b>	IDH1
<b>Synonyms</b>	PICD
<b>Function</b>	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).
<b>Cellular Location</b>	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'.