

# 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.   |

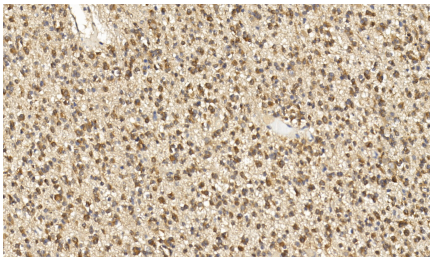
## Protein Information

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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'.