

IDH1 / IDH Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13954**Specification**

IDH1 / IDH Antibody (C-Terminus) - Product Information

Application	WB, IHC
Primary Accession	O75874
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47kDa KDa

IDH1 / IDH Antibody (C-Terminus) - Additional Information**Gene ID** 3417**Other Names**

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

Target/Specificity

Human IDH1

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

IDH1 / IDH Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

IDH1 / IDH Antibody (C-Terminus) - 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: [10521434](http://www.uniprot.org/citations/10521434)), PubMed: [19935646](http://www.uniprot.org/citations/19935646)). Plays a critical role in the generation of NADPH, an important cofactor in many biosynthesis pathways (PubMed: [10521434](http://www.uniprot.org/citations/10521434)). May act as a corneal epithelial crystallin and may be involved in maintaining corneal epithelial transparency (By similarity).

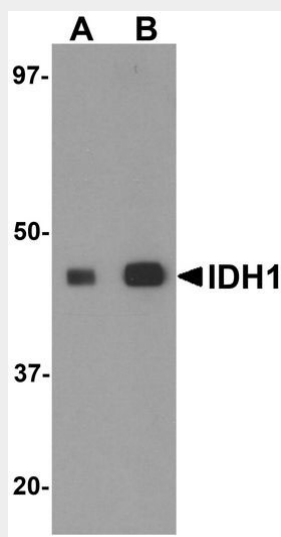
Cellular Location

Cytoplasm, cytosol. Peroxisome

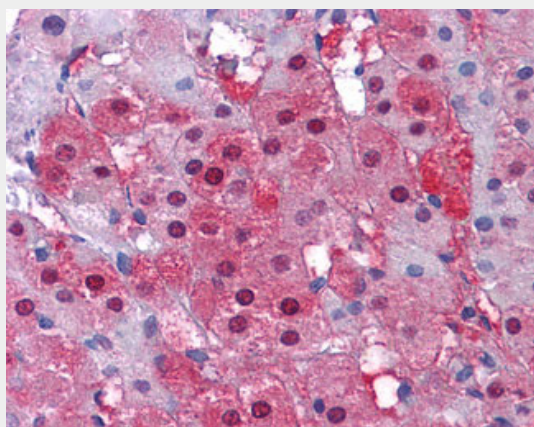
Volume250 μ l**IDH1 / IDH Antibody (C-Terminus) - Protocols**

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

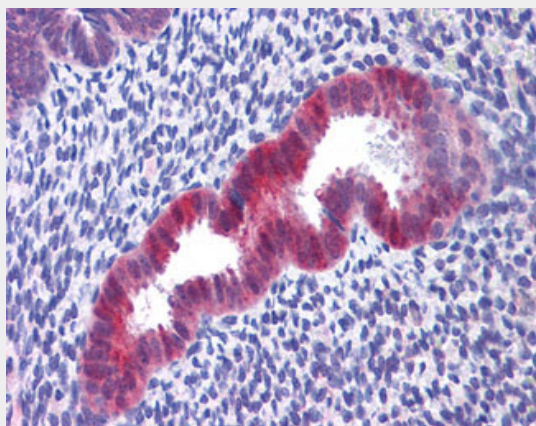
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IDH1 / IDH Antibody (C-Terminus) - Images

Western blot analysis of IDH1 in HepG2 cell lysate with IDH1 antibody at (A) 1 and (B) 2 μ g/ml.



Anti-IDH1 antibody IHC of human adrenal.



Anti-IDH1 antibody IHC of human uterus.

IDH1 / IDH Antibody (C-Terminus) - References

- Nekrutenko A., et al. Mol. Biol. Evol. 15:1674-1684(1998).
Geisbrecht B.V., et al. J. Biol. Chem. 274:30527-30533(1999).
Wiemann S., et al. Genome Res. 11:422-435(2001).
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Bechtel S., et al. BMC Genomics 8:399-399(2007).