

KD-Validated Anti-IDH1 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1060**Specification****KD-Validated Anti-IDH1 Rabbit Monoclonal Antibody - Product Information**

| | |
|-------------------|---|
| Application | WB, FC |
| Primary Accession | O75874 |
| Reactivity | Rat, Human, Mouse |
| Clonality | Monoclonal |
| Isotype | Rabbit IgG |
| Calculated MW | Predicted, 47 kDa , observed, 45 kDa KDa |
| Gene Name | IDH1 |
| Aliases | IDH1; Isocitrate Dehydrogenase (NADP(+)) 1; Isocitrate Dehydrogenase (NADP(+)) 1, Cytosolic; Isocitrate Dehydrogenase 1 (NADP+), Soluble; Isocitrate Dehydrogenase [NADP] Cytoplasmic; Oxalosuccinate Decarboxylase; NADP(+)-Specific ICDH; EC 1.1.1.42; PICD; IDH; NADP-Dependent Isocitrate Dehydrogenase, Peroxisomal; NADP-Dependent Isocitrate Dehydrogenase, Cytosolic; Epididymis Secretory Sperm Binding Protein; Cytosolic NADP-Isocitrate Dehydrogenase; Isocitrate Dehydrogenase 1 (NADP+); Epididymis Secretory Protein Li 26; Epididymis Luminal Protein 216; HEL-S-26; HEL-216; IDCD; IDPC; IDPc; IDP |
| Immunogen | A synthesized peptide derived from human IDH1 |

KD-Validated 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 | |

KD-Validated 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:10521434, PubMed:19935646). Plays a critical role in the generation of NADPH, an important cofactor in many biosynthesis pathways (PubMed:10521434). May act as a corneal epithelial crystallin and may be involved in maintaining corneal epithelial transparency (By similarity).

Cellular Location

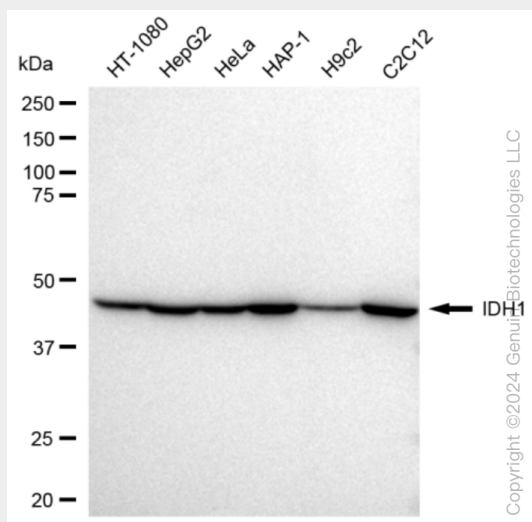
Cytoplasm, cytosol. Peroxisome

KD-Validated 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](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-IDH1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-IDH1 antibody (Cat#AGI1060). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-IDH1 antibody (Cat#AGI1060, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

