# Rabbit IDH1 Polyclonal Antibody | anti-IDH1 antibody

Rabbit anti-IDH1 Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA223018** | **Rabbit** | **Human, Mouse, Rat** | **Chromatin Immunoprecipitation, Immunoprecipitation, Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

IDH1; Polyclonal Antibody; Rabbit anti-IDH1 Antibody; PICD; Isocitrate dehydrogenase [NADP] cytoplasmic; IDH; Cytosolic NADP-isocitrate dehydrogenase; IDP; NADP(+)-specific ICDH; Oxalosuccinate decarboxylase; anti-IDH1 antibody

## PRODUCT SPECIFICATIONS

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| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Polyclonal |
| **Purity/Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Form/Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Concentration** | 1mg/mL (varies by lot) |
| **Applicable Applications for anti-IDH1 antibody** | ChIP (Chromatin immunoprecipitation), IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| **Immunogen** | Recombinant full length protein of human IDH1 |
| **Preparation and Storage** | Store at -20 degree C. Avoid repeated freeze/thaw cycles. |

## IMAGES

**IF (Immunofluorescence)**
Immunofluorescent analysis of IDH1 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

**IHC (Immunohiostchemistry)**
Immunohistochemical analysis of IDH1 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**WB (Western Blot)**
Western blot analysis of IDH1 expression in A549 (A), Raji (B), mouse kidney (C), mouse liver (D) whole cell lysates.

## ADDITIONAL INFORMATION

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| **Product Categories/Family for anti-IDH1 antibody** | Primary antibodies |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 119590846 |
| **NCBI GeneID** | 3417 |
| **UniProt Accession #** | O75874; O88844; P41562 |
| **Molecular Weight** | 46,659 Da |
| **NCBI Official Full Name** | isocitrate dehydrogenase 1 (NADP+), soluble, isoform CRA_b |
| **NCBI Official Synonym Full Names** | isocitrate dehydrogenase 1 (NADP+), soluble |
| **NCBI Official Symbol** | IDH1 |
| **NCBI Official Synonym Symbols** | IDH; IDP; IDCD; IDPC; PICD; HEL-216; HEL-S-26 |
| **NCBI Protein Information** | isocitrate dehydrogenase [NADP] cytoplasmic; isocitrate dehydrogenase [NADP] cytoplasmic; NADP(+)-specific ICDH; oxalosuccinate decarboxylase; epididymis luminal protein 216; epididymis secretory protein Li 26; NADP-dependent isocitrate dehydrogenase, cyt |
| **UniProt Protein Name** | Isocitrate dehydrogenase [NADP] cytoplasmic |
| **UniProt Gene Name** | **IDH1** |
| **UniProt Synonym Gene Names** | PICD; IDH |
| **UniProt Entry Name** | IDHC_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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