



Anti-IDH1 (internal region) polyclonal antibody (DPAB-DC3585)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | IDH1 (isocitrate dehydrogenase 1 (NADP+), soluble) is a protein-coding gene. Diseases associated with IDH1 include diffuse astrocytoma, and spindle cell hemangioma, and among its related super-pathways are Metabolic pathways and Glutathione metabolism. GO annotations related to this gene include magnesium ion binding and protein homodimerization activity. An important paralog of this gene is IDH2. |
| Immunogen | A synthetic peptide corresponding to internal region of <i>Saccharomyces cerevisiae</i> (S288c) IDH1. The sequence is C-EPGSRHVGLDIKGQN |
| Source/Host | Goat |
| Species Reactivity | Yeast |
| Purification | Ammonium sulfate precipitation |
| Conjugate | Unconjugated |
| Applications | WB (Cell lysate), ELISA, |
| Format | Liquid |
| Size | 100 µg |
| Buffer | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide) |
| Preservative | 0.02% Sodium Azide |
| Storage | Store at -20°C. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | IDH1 isocitrate dehydrogenase (NAD(+)) IDH1 [Saccharomyces cerevisiae S288c] |
| Official Symbol | IDH1 |
| Synonyms | IDH1; isocitrate dehydrogenase (NAD(+)) IDH1; |
| Entrez Gene ID | 855691 |
| Protein Refseq | NP_014361 |
| UniProt ID | P28834 |
| Chromosome Location | chromosome: XIV |
| Pathway | 2-Oxocarboxylic acid metabolism; Biosynthesis of amino acids; Biosynthesis of secondary metabolites; Carbon metabolism |
| Function | NAD binding; RNA binding; catalytic activity; contributes_to isocitrate dehydrogenase (NAD+) activity |