



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

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

PRODUCT INFORMATION

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

Gene Name	IDH1 isocitrate dehydrogenase (NAD(+)) IDH1 [<i>Saccharomyces cerevisiae</i> 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