

Datasheet for ABIN783628
anti-IDH2 antibody (N-Term)



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1 Image

Overview

Quantity:	0.1 mg
Target:	IDH2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IDH2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	17 amino acid peptide near the amino terminus of human IDH2
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	IDH2
Alternative Name:	Isocitrate Dehydrogenase / IDH2 (IDH2 Products)
Background:	Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Two NADP(+)-dependent isocitrate dehydrogenases have been found as homodimer: IDH1 is predominantly cytosolic and

Target Details

peroxisomal and IDH2 is mitochondrial. Both IDH1 and IDH2 play significant roles in the tricarboxylic acid cycle (TCA), and defects in IDH1 as well as IDH2 have been implicated in the development of glioma as well as other malignancies. Synonyms: ICD-M, ICDH, IDP, NADP(+)-specific ICDH, mitochondrial Isocitrate dehydrogenase [NADP], mitochondrial Oxalosuccinate decarboxylase

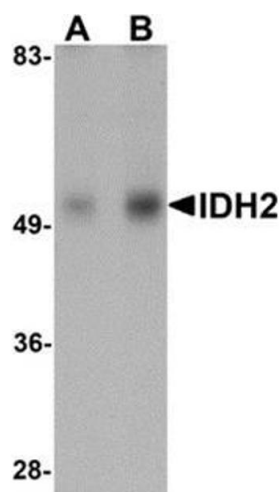
Gene ID:	3418
NCBI Accession:	NP_002159
UniProt:	P48735
Pathways:	Warburg Effect

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.



Western Blotting

Image 1. Western blot analysis of IDH2 in human heart tissue lysate with IDH2 antibody at (A) 1 and (B) 2 µg/ml.