

DNAxPAb

Hard-to-Find
Antibody

IDH2 DNAxPab

Catalog # H00003418-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human IDH2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAGYLRVVRS�CRASGSRPAWAPAALTAPTSQEQPRRHADKRIKVAKPVVEMDGDDEMTRIWQ FİKEKLİLPHVDİQLKYFDLGLPNRDQTDDQVTİDSALATQKYSVAVKCATİTPDEARVEEFKLKKM WKSPNGTİRNİLGGTVFREPIICKNİPRLVPGWTKPİTİGRHAHGDAQYKATDFVADRAGTFKMVFTPK DGSQVKEWEVYNFPAGGVGMGMYNTEİSİSGFAHSCFQYAIQKKWPLYMSTKNTİLKAYDGRFK DİFQEIFDKHYKTDİFDKNKMWEHRLİDDMVAQVLKSSGGFVWACKNYDGDVQSDİLAQGFQSLG LMTSVLVCPDGKTEAEAAHGTVTRHYREHQKGRPTSTNPIASİFAWTRGLEHRGKLDGNQDLİRF AQMLEKVCVETVESGAMTKDLAGCIHGLSNVKLNEHFLNTTDFLDİTKSNLDRALGRQ
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — IDH2

Entrez GeneID [3418](#)

GeneBank Accession# [NM_002168.2](#)

Protein Accession# [NP_002159.2](#)

Gene Name IDH2

Gene Alias ICD-M, IDH, IDHM, IDP, IDPM, mNADP-IDH

Gene Description isocitrate dehydrogenase 2 (NADP+), mitochondrial

Omim ID [147650](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. [provided by RefSeq]

Other Designations NADP+-specific ICDH|isocitrate dehydrogenase, mitochondrial|oxalosuccinate decarboxylase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)

- [Biosynthesis of terpenoids and steroids](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Glutathione metabolism](#)
- [Metabolic pathways](#)
- [Reductive carboxylate cycle \(CO2 fixation\)](#)

Disease

- [Astrocytoma](#)
- [Blast Crisis](#)
- [Brain Neoplasms](#)
- [Chronic Disease](#)
- [Disease Progression](#)
- [Glioma](#)
- [Hematologic Diseases](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Melanoma](#)
- [Myelodysplastic Syndromes](#)
- [Myeloproliferative Disorders](#)
- [Neoplasm Metastasis](#)
- [Oligodendroglioma](#)
- [Polycythemia Vera](#)
- [Primary Myelofibrosis](#)
- [Recurrence](#)
- [Skin Neoplasms](#)
- [Thrombocythemia](#)