

DNAxPAb

Hard-to-Find
Antibody

IDH3A DNAxPab

Catalog # H00003419-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human IDH3A DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAGPAWISKVSRLLGAFHNPKQVTRGFTGGVQTVTLIPGDGIGPEISAAVMKIFDAAKAPIQWEER NVTAIQGPGGKWMIPSEAKESMDKNKMGLKGPLKTPIAAGHPSMNLRLKTFDLNANVRPCVSIE GYKTPYTDVNVITIRENTEGEYSIEHVVDGTVVQSIKLITEGASKRIAEFAFEYARNNHRSNVTAVHK ANIMRMSDGLFLQKCREVAESCKDIKFNEMYLDTVCLNMVQDPSQFDVLVMPNLYGDILSDLCA GLIGGLGVTPSGNIGANGVAIFESVHGTPADIAGKDMANPTALLLSAVMMLRHMGLFDHAARIEAA CFATIKDGKSLTKDLGGNAKCSDFTTEEICRRVKDLD
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 — IDH3A

Entrez GeneID [3419](#)

GeneBank Accession# [NM_005530.2](#)

Protein Accession# [NP_005521.1](#)

Gene Name IDH3A

Gene Alias -

Gene Description isocitrate dehydrogenase 3 (NAD+) alpha

Omim ID [601149](#)

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. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. The protein encoded by this gene is the alpha subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. [provided by RefSeq]

Other Designations H-IDH alpha|NAD(H)-specific isocitrate dehydrogenase alpha subunit|NAD+-specific ICDH|isocitrate dehydrogenase (NAD+) alpha chain|isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial|isocitric dehydrogenase

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 plant hormones](#)

- [Biosynthesis of terpenoids and steroids](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Metabolic pathways](#)