

DNAxPAb



## IDH3A DNAxPab

Catalog # H00003419-W01P Size 200 ug

Specification	
Product Description	Rabbit polyclonal antibody raised against a full-length human lDH3A DNA using DNAx™ Immune tec hnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAGPAWISKVSRLLGAFHNPKQVTRGFTGGVQTVTLIPGDGIGPEISAAVMKIFDAAKAPIQWEER NVTAIQGPGGKWMIPSEAKESMDKNKMGLKGPLKTPIAAGHPSMNLLLRKTFDLYANVRPCVSIE GYKTPYTDVNIVTIRENTEGEYSGIEHVIVDGVVQSIKLITEGASKRIAEFAFEYARNNHRSNVTAVHK ANIMRMSDGLFLQKCREVAESCKDIKFNEMYLDTVCLNMVQDPSQFDVLVMPNLYGDILSDLCA GLIGGLGVTPSGNIGANGVAIFESVHGTAPDIAGKDMANPTALLLSAVMMLRHMGLFDHAARIEAA CFATIKDGKSLTKDLGGNAKCSDFTEEICRRVKDLD
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 GenelD	<u>3419</u>
GeneBank Accession#	<u>NM_005530.2</u>
Protein Accession#	<u>NP_005521.1</u>
Gene Name	IDH3A
Gene Alias	-
Gene Description	isocitrate dehydrogenase 3 (NAD+) alpha
Omim ID	<u>601149</u>
Gene Ontology	Hyperlink
Gene Summary	Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. T hese enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acc eptor 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 predominan tly cytosolic. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rat e-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 gen e 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 isocitr ate dehydrogenase (NAD+) alpha chain isocitrate dehydrogenase [NAD] subunit alpha, mitochon drial 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

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## **Product Information**

- Biosynthesis of terpenoids and steroids
- <u>Citrate cycle (TCA cycle)</u>
- Metabolic pathways