

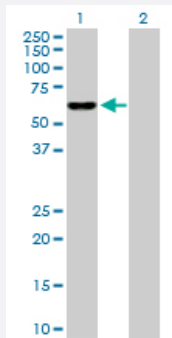
MaxPab®

IDH3B purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00003420-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of IDH3B expression in transfected 293T cell line ([H00003420-T01](#)) by IDH3B MaxPab polyclonal antibody.

Lane 1: IDH3B transfected lysate (42.20 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human IDH3B protein.
Immunogen	IDH3B (NP_008830.2, 1 a.a. ~ 385 a.a) full-length human protein.
Sequence	MAALSGVRWLTRALVSAGNPGAWRGLSTSAAAHAASRSQAEDVRVEGSFPVTMLPGDGVGPE LMHAVKEVFKAAAVPVEFQEHLSEVQNMASEEKLEQVLSSMKENKVAIIGKIHTPMEYKGELAS YDMLRRKLDLFANVVHVKSLPGYMRHNNLDLVIREQTEGEYSSLEHESARGVIECLKMTRAKS QRIAKFAFDYATKKGRGKVTAVHKANIMKLGDLFLQCCEEVAELYPKIKFETMIIDNCCMQLVQN PYQFDVLVMPNLYGNIIDNLAAGLVGGAGVVPGESYSAEYAVFETGARHPFAQAVGRNIANPTAM LLSASNMLRHLNLEYHSSMIADAVKKVIKVGKVRTRDMGGYSTTTDFIKSVIGHLQTKGS
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (94)
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.

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[Protocol Download](#)

Gene Info — IDH3B

Entrez GeneID [3420](#)

GeneBank Accession# [NM_006899.2](#)

Protein Accession# [NP_008830.2](#)

Gene Name IDH3B

Gene Alias FLJ11043, H-IDHB, MGC903

Gene Description isocitrate dehydrogenase 3 (NAD+) beta

Omim ID [604526](#)

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 beta subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. Three alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations

NAD+-specific ICDH|NAD+-specific isocitrate dehydrogenase b subunit|NAD+-specific isocitrate dehydrogenase beta|OTTHUMP00000030023|OTTHUMP00000030024|isocitrate dehydrogenase 3, beta subunit|isocitrate dehydrogenase, NAD(+)-specific, mitochondrial, beta s

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](#)