

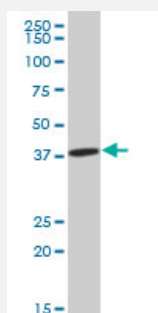
MaxPab®

IDH3A purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003419-B01P

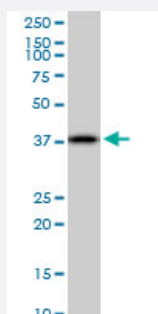
Size 50 ug

Applications



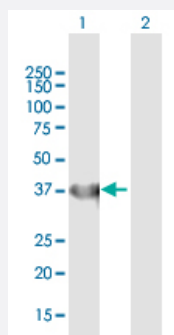
Western Blot (Tissue lysate)

IDH3A MaxPab polyclonal antibody. Western Blot analysis of IDH3A expression in rat brain.



Western Blot (Cell lysate)

IDH3A MaxPab polyclonal antibody. Western Blot analysis of IDH3A expression in A-431.

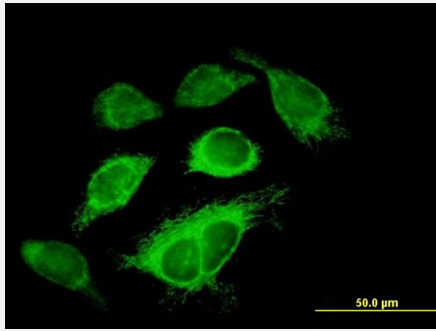


Western Blot (Transfected lysate)

Western Blot analysis of IDH3A expression in transfected 293T cell line ([H00003419-T01](#)) by IDH3A MaxPab polyclonal antibody.

Lane 1: IDH3A transfected lysate(40.26 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to IDH3A on HeLa cell.
[antibody concentration 10 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human IDH3A protein.
Immunogen	IDH3A (NP_005521.1, 1 a.a. ~ 366 a.a) full-length human protein.
Sequence	MAGPAWISKVSRLLGAFHNPKQVTRGFTGGVQTVTLIPGDGIGPEISAAVMKIFDAAKAPIQWEER NVTAIQPGPGGKWMIPSEAKESMDKNKMGLKGPLKTPIAAGHPSMNLLLRKTFDLYANVRPCVSIE GYKTPYTDVNVTIRENTEGEYSGIEHVMDGVVQSIKLITEGASKRIAEFAFEYARNNHRSNVTAVHK ANIMRMSDGLFLQKCREVAESCKDIKFNEMYLDTVCLNMVQDPSQFDVLVMPNLYGDILSDLCA GLIGGLGVTPSGNIGANGVAIFESVHGTAPDIAGKDMANPTALLLSAVMMLRHMGLFDHAARIEAA CFATIKDGKSLTKDLGGNAKCSDFTTEEICRRVKDLD
Host	Mouse
Reactivity	Human, Rat
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 (Tissue lysate)

IDH3A MaxPab polyclonal antibody. Western Blot analysis of IDH3A expression in rat brain.

[Protocol Download](#)

- Western Blot (Cell lysate)

IDH3A MaxPab polyclonal antibody. Western Blot analysis of IDH3A expression in A-431.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of IDH3A expression in transfected 293T cell line ([H00003419-T01](#)) by IDH3A MaxPab polyclonal antibody.

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to IDH3A on HeLa cell. [antibody concentration 10 ug/ml]

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](#)