

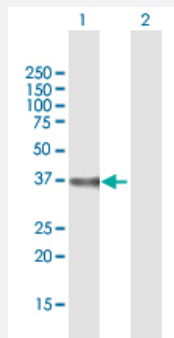
MaxPab®

DPH5 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00051611-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of DPH5 expression in transfected 293T cell line ([H00051611-T01](#)) by DPH5 MaxPab polyclonal antibody.

Lane 1: DPH5 transfected lysate(31.35 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human DPH5 protein.
Immunogen	DPH5 (NP_001070862.1, 1 a.a. ~ 285 a.a) full-length human protein.
Sequence	<p>MLYLIGLGLGDAKDITVKGLEVVRRCSRYLEAYTSVLTVGKEALEEFYGRKLVVADREEVEQEAD</p> <p>NILKDADISDVAFLVVGDPFGATTSDLVLRATKLGIPYRVIHNASIMNAVGCCGLQLYKFGETVSN</p> <p>FWTDTWRPESFFDKVKKNRQNGMHTLCLLDIKVKEQSLENLIKGRKIYEPPTYMSVNQAAQQLLEI</p> <p>VQNQRIRGEPAVTEETLCVGLARVGADDQKIAAGTLRQMCTVDLGEPLHSLITGGSIHPMEMEM</p> <p>LSLFSIPENSSESQSINGL</p>
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (91)
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 — DPH5

Entrez GeneID [51611](#)

GeneBank Accession# [BC053857.1](#)

Protein Accession# [NP_001070862.1](#)

Gene Name DPH5

Gene Alias AD-018, CGI-30, HSPC143, MGC61450, NPD015

Gene Description DPH5 homolog (S. cerevisiae)

Omim ID [611075](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a component of the diphthamide synthesis pathway. Diphthamide is a post-translationally modified histidine residue found only on translation elongation factor 2. It is conserved from archaeobacteria to humans, and is targeted by diphtheria toxin and Pseudomonas exotoxin A to halt cellular protein synthesis. The yeast and Chinese hamster homologs of this protein catalyze the trimethylation of the histidine residue on elongation factor 2, resulting in a diphthine moiety that is subsequently amidated to yield diphthamide. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000012522|OTTHUMP00000012523|OTTHUMP00000012524|diphthamide biosynthesis methyltransferase|diphthine synthase|protein x 0011