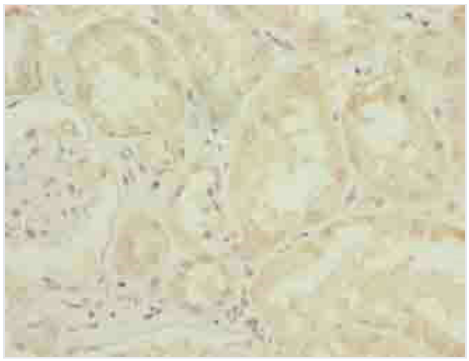
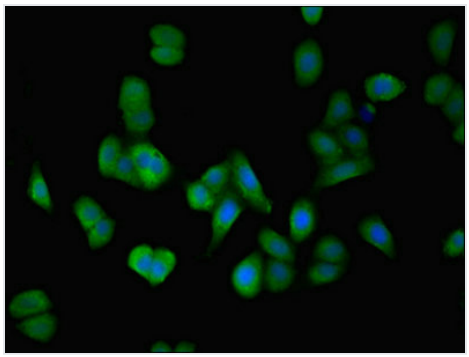
DPH6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DPH6, Polyclonal Antibody
Full Product Name	DPH6 Antibody
Product Gene Name	anti-DPH6 antibody
Product Synonym Names	Diphthine--ammonia ligase; ATP-binding domain-containing protein 4; Diphthamide synthase; Diphthamide synthetase; Protein DPH6 homolog; DPH6; ATPBD4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: DPH6 (MBS7002272) Biotin Conjugated Antibody: DPH6 (MBS7001557)
Matching Pairs	Unconjugated Antibody: DPH6 (MBS7002272) HRP Conjugated Antibody: DPH6 (MBS7003133)
Matching Pairs	Unconjugated Antibody: DPH6 (MBS7002272) FITC Conjugated Antibody: DPH6 (MBS7004321)
Molecular Weight	18,657 Da
3D Structure	ModBase 3D Structure for Q7L8W6
Immunogen	Recombinant human Diphthine--ammonia ligase protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-169978
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DPH6 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Related Product Information for anti-DPH6 antibody	Amidase that catalyzes the last step of diphthamide biosynthesis using ammonium and ATP. Diphthamide biosynthesis consists in the conversion of an L-histidine residue in the translation elongation factor (EEF2) to diphthamide.
Other Notes	Small volumes of anti-DPH6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DPH6 purchase	MBS7002272 is an antibody targeting DPH6. Also known as DPH6 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-DPH6 antibody
Immunohistochemistry of paraffin-embedded human kidney tissue using MBS7002272 at dilution of 1:100



Immunofluorescence (IF) of anti-DPH6 antibody
Immunofluorescent analysis of HepG2 cells using MBS7002272 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DPH6. It may not necessarily be applicable to this product.

NCBI GI #	213972615
NCBI GeneID	89978
NCBI Accession #	NP_001135444.1
UniProt Primary Accession #	Q7L8W6
UniProt Secondary Accession #	Q96HJ6; B3KWG1
UniProt Related Accession #	Q7L8W6
GenBank Nucleotide #	NM_001141972.1
NCBI Official Full Name	diphthine--ammonia ligase isoform 2
NCBI Official Synonym Full Names	diphthamine biosynthesis 6
NCBI Official Symbol	DPH6
NCBI Official Synonym Symbols	ATPBD4
UniProt Protein Name	Diphthine--ammonia ligase
UniProt Synonym Protein Names	ATP-binding domain-containing protein 4; Diphthamide synthase; Diphthamide synthetase; Protein DPH6 homolog
Protein Family	Diphthine--ammonia ligase
UniProt Gene Name	DPH6
UniProt Synonym Gene Names	ATPBD4
UniProt Entry Name	DPH6_HUMAN
NCBI Protein Information	diphthine--ammonia ligase

UniProt Comments for DPH6	DPH6: Amidase that catalyzes the last step of diphthamide biosynthesis using ammonium and ATP. Diphthamide biosynthesis consists in the conversion of an L-histidine residue in the translation elongation factor (EEF2) to diphthamide. Belongs to the Diphthine--ammonia ligase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 6.3.1.14 Chromosomal Location of Human Ortholog: 15q14 Cellular Component: cytosol; nucleolus; nucleus Molecular Function: ATP binding; diphthine-ammonia ligase activity Biological Process: cellular protein metabolic process; peptidyl-diphthamide biosynthetic process from peptidyl-histidine; post-translational protein modification; regulation of protein stability
Research Articles on DPH6	**1.** The previously uncharacterized human gene ATPBD4 is the ortholog of yeast YLR143W, a diphthamide synthetase, and fully rescues the deletion of YLR143W in yeast.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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