

Rabbit DPH1 Polyclonal Antibody | anti-DPH1 antibody

DPH1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200197	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish	Western Blot, Immunohistochemistry

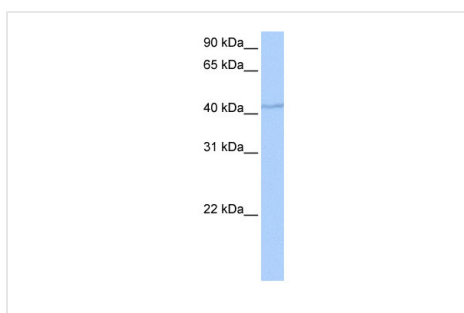
PRODUCT SYNONYMS

DPH1; Polyclonal Antibody; DPH1 antibody - middle region; anti-DPH1 antibody

PRODUCT SPECIFICATIONS

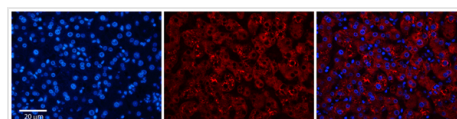
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: RM QAARQEAIAT ARSAKSWGLI LGTLGRQGSP KILEHLESRL RALGLSFV
Sequence Length	443
Applicable Applications for anti-DPH1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 83%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human DPH1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-DPH1 Antibody Titration: 0.2-1 ug/ml
Positive Control: MCF7 cell lysate
DPH1 is supported by BioGPS gene expression data to be expressed in MCF7



IHC (Immunohistochemistry)

Rabbit Anti-DPH1 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Adult Liver
Observed Staining: Cytoplasm (perinuclear) but not nuclear in hepatocytes, strong signal, low tissue distribution
Primary Antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec
Protocol located in Reviews and Data.

ADDITIONAL INFORMATION

Related Product Information for anti-DPH1 antibody	This is a rabbit polyclonal antibody against DPH1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Diphthamide is a unique posttranslationally modified histidine found only in translation elongation factor-2 (EEF2; MIM 130610). This modification is conserved from archaeobacteria to humans and serves as the target for ADP-ribosylation and inactivation of EEF2 by diphtheria toxin (DT) and Pseudomonas exotoxin A. DPH1 is 1 of several enzymes involved in synthesis of diphthamide in EEF2 (Liu et al., 2004 [PubMed 15485916]). Diphthamide is a unique posttranslationally modified histidine found only in translation elongation factor-2 (EEF2; MIM 130610). This modification is conserved from archaeobacteria to humans and serves as the target for ADP-ribosylation and inactivation of EEF2 by diphtheria toxin (DT) and Pseudomonas exotoxin A. DPH1 is 1 of several enzymes involved in synthesis of diphthamide in EEF2 (Liu et al., 2004 [PubMed 15485916]).[supplied by OMIM]. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-40 AF321876.1 1-40 41-1028 BC003099.1 3-990 1029-1410 BP417755.1 78-459 1411-2188 AK090530.1 1484-2261 2189-2200 AF321876.1 2189-2200
Product Categories/Family for anti-DPH1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	116686106
NCBI GeneID	1801
NCBI Accession #	NP_001374
NCBI GenBank Nucleotide #	NM_001383
UniProt Accession #	Q9BZG8
Molecular Weight	49kDa
NCBI Official Full Name	2-(3-amino-3-carboxypropyl)histidine synthase subunit 1 isoform 1
NCBI Official Synonym Full Names	diphthamide biosynthesis 1
NCBI Official Symbol	DPH1
NCBI Official Synonym Symbols	DPH2L; OVCA1; DEDSSH; DPH2L1
NCBI Protein Information	2-(3-amino-3-carboxypropyl)histidine synthase subunit 1
UniProt Protein Name	Diphthamide biosynthesis protein 1
UniProt Gene Name	DPH1
UniProt Synonym Gene Names	DPH2L; DPH2L1; OVCA1
UniProt Entry Name	DPH1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.