

Rabbit DPH1 Polyclonal Antibody | anti-DPH1 antibody

DPH1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200196	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish	Immunohistochemistry, Western Blot

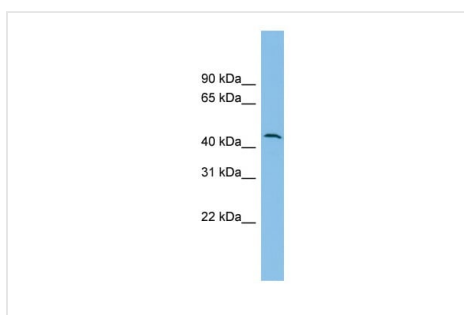
PRODUCT SYNONYMS

DPH1; Polyclonal Antibody; DPH1 antibody - N-terminal region; anti-DPH1 antibody

PRODUCT SPECIFICATIONS

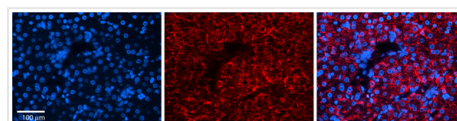
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: NQ IPPEILKNPQ LQAIRVLP NYNFEIPKTI WRIQQAQAKK VALQMPEG
Sequence Length	443
Applicable Applications for anti-DPH1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 92%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal 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
 ELISA Titer: 1:1562500
 Positive Control: RPMI 8226 cell lysate



IHC (Immunohistochemistry)

Rabbit Anti-DPH1 Antibody
 Formalin Fixed Paraffin Embedded Tissue: Human Liver
 Tissue
 Observed Staining: Cytoplasm in hepatocytes
 Primary Antibody Concentration: 1:100
 Other Working Concentrations: 1:600
 Secondary Antibody: Donkey anti-Rabbit-Cy3
 Secondary Antibody Concentration: 1:200
 Magnification: 20X
 Exposure Time: 0.5 - 2.0 sec

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]).
Product Categories/Family for anti-DPH1 antibody	Polyclonal; Various

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/dph1-antibody-immunohistochemistry-western-blot-elisa/200196>