

Datasheet for ABIN2784708
anti-DPH1 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	DPH1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rabbit, Rat, Dog, Guinea Pig, Horse, Cow, Saccharomyces cerevisiae, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPH1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human DPH1
Sequence:	RMQAARQEAI ATARSAKSWG LILGTLGRQG SPKILEHLES RLRALGLSFV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 83%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against DPH1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DPH1
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Target Details

Alternative Name:	DPH1 (DPH1 Products)
Background:	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 Alias Symbols: DPH2L, DPH2L1, FLJ33211, OVCA1 Protein Interaction Partner: UBC, TFCP2, MMS19, UBD, TP63, TP73, TP53, RBM8A, HSPA5, Protein Size: 443
Molecular Weight:	49 kDa
Gene ID:	1801
NCBI Accession:	NM_001383 , NP_001374
UniProt:	Q9BZG8

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 443 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-DPH1 Antibody Titration:
0.2-1 ug/ml
Positive Control: MCF7 cell lysate