

Datasheet for ABIN2784708 anti-DPH1 antibody (Middle Region)





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

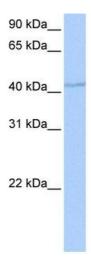
Target Details

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 archaebacteria 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 archaebacteria 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. ² 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 %

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