

DPH1 polyclonal antibody

Catalog # PAB12344

Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DPH1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 2031 of human DPH1.
Host	Rabbit
Reactivity	Human
Specificity	recognizes human DPH1 endogenous protein on A2780 whole cell lysate & OVCAR5 total protein extract.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Gene Info — DPH1

Entrez GeneID

[1801](#)

Gene Name	DPH1
Gene Alias	DPH2L, DPH2L1, FLJ33211, OVCA1
Gene Description	DPH1 homolog (S. cerevisiae)
Omim ID	603527
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	DPH-like 1 DPH2-like 1 candidate tumor suppressor in ovarian cancer 1 diphtheria toxin resistance protein required for diphthamide biosynthesis (Saccharomyces)-like 1 diphtheria toxin resistance protein required for diphthamide biosynthesis-like 1 ovarian c

Publication Reference

- [OVCA2 is downregulated and degraded during retinoid-induced apoptosis.](#)

Prowse AH, Vanderveer L, Milling SW, Pan ZZ, Dunbrack RL, Xu XX, Godwin AK.

International Journal of Cancer 2002 May; 99(2):185.

Application: WB-Ce, Human, Calu-6, A-549, HL60 cells

- [Expression of OVCA1, a candidate tumor suppressor, is reduced in tumors and inhibits growth of ovarian cancer cells.](#)

Bruening W, Prowse AH, Schultz DC, Holgado-Madruga M, Wong A, Godwin AK.

Cancer Research 1999 Oct; 59(19):4973.

Application: WB-Ce, WB-Tr, Human, Monkey, A2780, COS-1, HIO-106, HIO-121 cells