

Datasheet for ABIN713660

anti-DPH1 antibody (AA 251-350) (HRP)



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Overview

Quantity:	100 µL
Target:	DPH1
Binding Specificity:	AA 251-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPH1 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human OVCA1
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	DPH1
Alternative Name:	OVCA1 (DPH1 Products)

Target Details

Background:	Synonyms: Candidate tumor suppressor in ovarian cancer 1, Diphthamide biosynthesis protein 1, Diphthamide biosynthesis protein 2 homolog like 1, Diphthamide biosynthesis protein 2 like, Diphtheria toxin resistance protein required for diphthamide biosynthesis Saccharomyces like 1 , Diphtheria toxin resistance protein required for diphthamide biosynthesis like 1, DPH like 1 S. cerevisiae, DPH like 1, DPH1, DPH1 homolog S. cerevisiae, DPH1 homolog, DPH2 like 1, DPH2L, DPH2L1, HsDph1, Ovarian cancer associated gene 1, Ovarian cancer associated gene 1 protein, Ovarian tumor suppressor candidate 1, DPH1_HUMAN. Background: OVCA1 is required for the first step in the synthesis of diphthamide, 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. OVCA1 is one of several enzymes involved in synthesis of diphthamide in EEF2.
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Gene ID:	1801
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Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months