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Datasheet for ABIN713651 **anti-DPH1 antibody (AA 251-350)**

Overview

Quantity:	100 µL
Target:	DPH1
Binding Specificity:	AA 251-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPH1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), 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
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Target Details

Alternative Name: OVCA1 ([DPH1 Products](#))

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.

Gene ID: 1801

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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

Storage:	4 °C,-20 °C
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Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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Expiry Date:	12 months
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