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Datasheet for ABIN713655

**anti-DPH1 antibody (AA 251-350) (Cy5)**

## Overview

Quantity:	100 µL
Target:	DPH1
Binding Specificity:	AA 251-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPH1 antibody is conjugated to Cy5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (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 ( <a href="#">DPH1 Products</a> )

## Target Details

Background:	<p>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 <i>Saccharomyces</i> like 1 , Diphtheria toxin resistance protein required for diphthamide biosynthesis like 1, DPH like 1 <i>S. cerevisiae</i>, DPH like 1, DPH1, DPH1 homolog <i>S. cerevisiae</i>, 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.</p> <p>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 <i>Pseudomonas</i> exotoxin A. OVCA1 is one of several enzymes involved in synthesis of diphthamide in EEF2.</p>
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Gene ID:	1801
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## Application Details

Application Notes:	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:	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.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months