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Datasheet for ABIN713654  
**anti-DPH1 antibody (AA 251-350) (Cy3)**

### Overview

Quantity:	100 µL
Target:	DPH1
Binding Specificity:	AA 251-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPH1 antibody is conjugated to Cy3
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

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**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

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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**Expiry Date:** 12 months

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