Datasheet for ABIN1385915

anti-DPH2 antibody (AA 401-489)

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Overview

Quantity:	100 µL
Target:	DPH2
Binding Specificity:	AA 401-489
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPH2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DPH2
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	DPH2

Target Details

Alternative Name:	Dph2 (DPH2 Products)
Background:	Synonyms: Diphthamide biosynthesis like protein 2, Diphthamide biosynthesis protein 2, Diphthamide biosynthesis protein 2 homolog like 2, Diphthamide biosynthesis protein 2 homolog-like 2, Diptheria toxin resistance protein required for diphthamide biosynthesis like 2, Diptheria toxin resistance protein required for diphthamide biosynthesis like 2 S. cerevisiae , DPH 2, DPH2, DPH2 homolog, DPH2 homolog S. cerevisiae, DPH2 like 2, DPH2 like 2 S. cerevisiae, DPH2-like 2, DPH2_HUMAN, DPH2L2, HsDph2, OTTHUMP00000010007, Protein DPH2 homolog. Background: DPH2 (diphthamide biosynthesis protein 2), also known as DPH2L2, is a 489 amino acid protein that shows strong expression in skeletal muscle, moderate expression in heart, small intestine, liver, pancreas, testis and colon, and lesser expression in brain, placenta, kidney, spleen, thymus, prostate, ovary and lymphocytes. DPH2 interacts with DPH1 and, functioning together as a dimer or multimer, DPH1 and DPH2 may participate in diphthamide biosynthesis. Diphthamide is a posttranslationally modified histidine residue which occurs in EF-2 (elongation factor 2) and targets diphtheria toxin ADP-ribosylation. The loss of DPH2 in Saccharomyces cerevisiae is believed to suppress zymocicity. Two transcript variants encoding different isoforms have been found for this gene.Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2.Tissue specificity:Strongly expressed in skeletal muscle. Moderately expressed in heart, small intestine, liver, pancreas, testis and colon. Weakly expressed in brain, placenta, kidney, speen, thymus, prostate, ovary and lymphocytes.
Gene ID:	1802

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