SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DPH3 antibody

Catalog Number: SL14416R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DPH3
Immunogen:	KLH conjugated synthetic peptide derived from human DPH3: 1-82/82
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat)
Predicted MW.:	9.2kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	This gene encodes a CSL zinc finger-containing protein that is required for dipthamide biosynthesis. The encoded protein is necessary for the initial step in the modification of a histidine residue in elongation factor-2 to diphthamide. This modified residue is a target for ADP ribosylation by the bacterial toxins diphtheria toxin and Pseudomonas exotoxin A. Alternative splicing results in multiple transcript variants that encode the same isoform. [provided by RefSeq, Feb 2009] **Function:** Essential for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in elongation factor 2 and which can be ADP-ribosylated by diphtheria toxin and by Pseudomonas exotoxin A.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Down-regulation increases extracellular release of proteoglycans, indicating a possible role in the secretion process. Stimulates binding of GNEFR to SEC5. **Subcellular Location:** Cytoplasm. Nucleus. **Tissue Specificity:** Widely expressed with highest levels in small intestine, spleen, thymus, heart, liver and lung. **Similarity:** Belongs to the DPH3 family. Contains 1 DPH-type zinc finger. **Database links:** **Entrez Gene:** 285381 Human Omim: 608959 Human **SwissProt:** Q96FX2 Human **Unigene:** 388087 Human

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