

Datasheet for ABIN2463486
anti-DPH1 antibody



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1 Image

Overview

Quantity:	100 µL
Target:	DPH1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPH1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human DPH1.
Purification:	Antibody is purified by peptide affinity chromatography method.

Target Details

Target:	DPH1
Alternative Name:	DPH1 (DPH1 Products)
Background:	Diphthamide is 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. DPH1 is 1 of several enzymes involved in synthesis of diphthamide in EEF2 (Liu et al., 2004 [PubMed 15485916]). Diphthamide is a unique

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Molecular Weight: 49 kDa

Gene ID: 1801

NCBI Accession: [NP_001374](#)

UniProt: [Q9BZG8](#)

Application Details

Application Notes: DPH1 antibody can be used for detection of DPH1 by ELISA at 1:312500. DPH1 antibody can be used for detection of DPH1 by western blot at 0.5 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL.

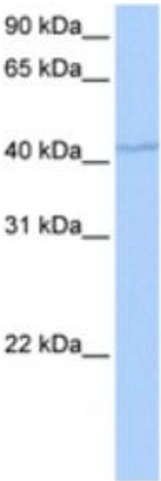
Concentration: 1 mg/mL

Buffer: Antibody is lyophilized in PBS buffer with 2 % sucrose.

Handling Advice: As with any antibody avoid repeat freeze-thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store DPH1 antibody at -20 °C.



Western Blotting

Image 1.