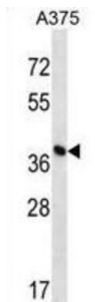


2-(3-Amino-3-Carboxypropyl)histidine Synthase Subunit 1 (DPH1) Antibody

Catalogue No.: abx028904



Diphthamide is a unique posttranslationally modified histidine found only in translation elongation factor-2 (EEF2; MIM 130610). This modification is conserved from archaeobacteria 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]). [supplied by OMIM].

Target: 2-(3-Amino-3-Carboxypropyl)histidine Synthase Subunit 1 (DPH1)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB

Host: Rabbit

Recommended dilutions: WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: KLH-conjugated synthetic peptide between 384-412 amino acids from the C-terminal region of human DPH1.

Isotype: IgG

Form: Liquid

Purification: Purified through a protein A column, followed by peptide affinity purification.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: Q9BZG8 ([UniProt](#), [ExPASy](#))

Datasheet

Version: 5.0.0

Revision date: 27 Jun 2025



Gene Symbol: DPH1

String: [9606.ENSP00000263083](#)

Molecular Weight: Calculated MW: 48.8 kDa

Buffer: PBS containing 0.09% sodium azide.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only