DPH2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DPH2, Polyclonal Antibody
Full Product Name	DPH2 (Diphthamide Biosynthesis Protein 2, DPH2 Homolog, HsDph2, Diphthamide Biosynthesis Protein 2 Homolog-like 2, DPH2-like 2, DPH2L2) (Ma
Product Gene Name	anti-DPH2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human DPH2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
OMIM	AF053003 mRNA
3D Structure	ModBase 3D Structure for Q9BQC3
Immunogen	Full length human DPH2, aa1-489 (NP_001375.2).
Immunogen Sequence	MESMFSSPAEAALQRETGVPGLLTPLPDLDGVYELERVAGFVRDLGCERVALQFPDQLLGDAVAVAARLEETTGSKMFILGDTAYGSCCVDVLGAEQAG
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-DPH2 antibody	Antibodies; Oncoproteins
Applications Tested/Suitable for anti-DPH2 antibody	Western Blot (WB)
Application Notes for anti-DPH2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-DPH2 antibody	Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2.
Other Notes	Small volumes of anti-DPH2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess

Searchable Terms for DPH2 purchase	MBS6376541 is an antibody targeting DPH2. Also known as DPH2 (Diphthamide Biosynthesis Protein 2, DPH2 Homolog, HsDph2, Diphthamide Biosy

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DPH2. It may not necessarily be applicable to this product.

NCBI GI #	21536476
NCBI GeneID	1802
NCBI Accession #	NP_001375.2
UniProt Primary Accession #	Q9BQC3
UniProt Related Accession #	Q9BQC3
GenBank Nucleotide #	NM_001384.4
NCBI Official Full Name	2-(3-amino-3-carboxypropyl)histidine synthase subunit 2 isoform a
NCBI Official Synonym Full Names	diphthamide biosynthesis 2
NCBI Official Symbol	DPH2
NCBI Official Synonym Symbols	DPH2L2
UniProt Protein Name	2-(3-amino-3-carboxypropyl)histidine synthase subunit 2
UniProt Synonym Protein Names	Diphthamide biosynthesis protein 2; Diphtheria toxin resistance protein 2Curated; S-adenosyl-L-methionine:L-histidine 3-amino-3-carboxypropyltransferase 2Curated
Protein Family	2-(3-amino-3-carboxypropyl)histidine synthase
UniProt Gene Name	DPH2
UniProt Synonym Gene Names	DPH2L2
NCBI Protein Information	2-(3-amino-3-carboxypropyl)histidine synthase subunit 2
NCBI Summary for DPH2	This gene is one of two human genes similar to the yeast gene dph2. The yeast gene was identified by its ability to complement a diphthamide mutant strain, and thus probably functions in diphthamide biosynthesis. Diphthamide is a post-translationally modified histidine residue present in elongation factor 2 (EF2) that is the target of diphtheria toxin ADP-ribosylation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]
UniProt Comments for DPH2	Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2).
Research Articles on DPH2	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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