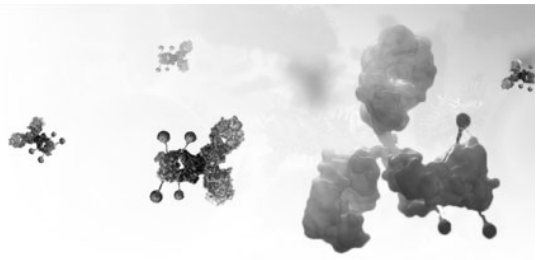

Anti-DPH5 monoclonal antibody (DCABH-11319)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a component of the diphthamide synthesis pathway. Diphthamide is a post-translationally modified histidine residue found only on translation elongation factor 2. It is conserved from archaebacteria to humans, and is targeted by diphtheria toxin and Pseudomonas exotoxin A to halt cellular protein synthesis. The yeast and Chinese hamster homologs of this protein catalyze the trimethylation of the histidine residue on elongation factor 2, resulting in a diphthine moiety that is subsequently amidated to yield diphthamide. Multiple transcript variants encoding different isoforms have been found for this gene.
Immunogen	A synthetic peptide of human DPH5 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	DPH5 DPH5 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	DPH5
Synonyms	DPH5; DPH5 homolog (S. cerevisiae); diphthine synthase; CGI 30; protein x 0011; diphthamide biosynthesis methyltransferase; AD-018; CGI-30; NPD015; HSPC143; MGC61450;
Entrez Gene ID	51611
Protein Refseq	NP_001070862
UniProt ID	B3KWP1
Chromosome Location	1p21.2
Pathway	diphthamide biosynthesis, organism-specific biosystem.
Function	diphthine synthase activity; diphthine synthase activity; methyltransferase activity; transferase activity;

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