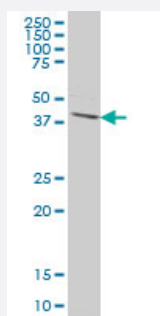


DPH1 monoclonal antibody (M02), clone 2C5

Catalog # H00001801-M02

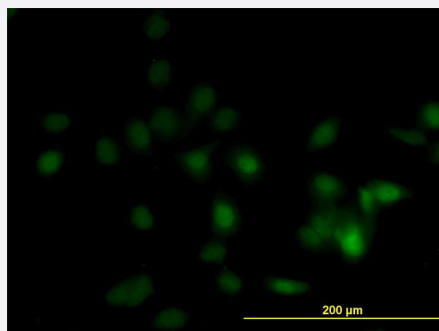
Size 100 ug

Applications



Western Blot (Cell lysate)

DPH1 monoclonal antibody (M02), clone 2C5 Western Blot analysis of DPH1 expression in HeLa (Cat # L013V1).



Immunofluorescence

Immunofluorescence of monoclonal antibody to DPH1 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant DPH1.
Immunogen	DPH1 (NP_001374, 216 a.a. ~ 324 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ILGCTSPRLSKEVEAVVYLG DGRFHLESVMIANPNVPAYRYDPYSKVLSREHYDHQRMQAARQEA IATARSAKSWGILIGTLGRQGSPKILEHLESRLRALGLSFVRL
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (93); Rat (91)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

DPH1 monoclonal antibody (M02), clone 2C5 Western Blot analysis of DPH1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to DPH1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — DPH1

Entrez GeneID	1801
GeneBank Accession#	NM_001383
Protein Accession#	NP_001374
Gene Name	DPH1
Gene Alias	DPH2L, DPH2L1, FLJ33211, OVCA1
Gene Description	DPH1 homolog (S. cerevisiae)
Omim ID	603527
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

DPH-like 1|DPH2-like 1|candidate tumor suppressor in ovarian cancer 1|diphtheria toxin resistance protein required for diphthamide biosynthesis (Saccharomyces)-like 1|diphtheria toxin resistance protein required for diphthamide biosynthesis-like 1|ovarian c