



# Mouse anti-Human DPH1 monoclonal antibody, clone 3D6 (CABT-B10129)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	DPH1 (NP_001374, 216 a.a. ~ 325 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	3D6
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IF, ELISA
<b>Sequence Similarities</b>	ILGCTSPRLSKEVEAVVYLGDRFHLESVMIANPNVPAYRYDPYSKVL SREHYDHQRMQA ARQEAIATARSAKSWGLILGTLGRQGSPKILEHLESRLRALGLSFVRL*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

<b>Introduction</b>	Diphthamide is a unique posttranslationally modified histidine found only in translation elongation factor-2 (EEF2; MIM 130610). This modification is conserved from archaeabacteria to
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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, Mar 2008]

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<b>Keywords</b>	DPH1; diphthamide biosynthesis 1; DPH2L; OVCA1; DPH2L1; diphthamide biosynthesis protein 1; DPH-like 1; DPH2-like 1; DPH1 homolog; ovarian tumor suppressor candidate 1; ovarian cancer-associated gene 1 protein; candidate tumor suppressor in ovarian cancer 1; diphthamide biosynthesis protein 2 homolog-like 1; diphtheria toxin resistance protein required for diphthamide biosynthesis-like 1; diphtheria toxin resistance protein required for diphthamide biosynthesis (Saccharomyces)-like 1;
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## GENE INFORMATION

Entrez Gene ID [1801](#)

UniProt ID [Q9BZG8](#)