



DTL Monoclonal Antibody

Catalog No	YP-mAb-07791
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	DTL CDT2 CDW1 DCAF2 L2DTL RAMP
Protein Name	Denticleless protein homolog (DDB1- and CUL4-associated factor 2) (Lethal(2) denticleless protein homolog) (Retinoic acid-regulated nuclear matrix-associated protein)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	DTL Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	80kD
Cell Pathway	Nucleus . Nucleus membrane; Peripheral membrane protein; Nucleoplasmic side. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Chromosome. Nuclear matrix-associated protein. Translocates from the interphase nucleus to the metaphase cytoplasm during mitosis.
Tissue Specificity	Expressed in placenta and testis, very low expression seen in skeletal muscle. Detected in all hematopoietic tissues examined, with highest expression in thymus and bone marrow. A low level detected in the spleen and lymph node, and barely detectable level in the peripheral leukocytes. RA treatment down-regulated the expression in NT2 cell.
Function	developmental stage:Expressed in all fetal tissues examined, included brain, lung, liver, and kidney.,function:Required for CDT1 proteolysis in response to DNA damage through the CUL4-DDB1 E3 ubiquitin-protein ligase. Seems to be necessary to ensure proper cell cycle regulation of DNA replication. May function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex. May play a role in cell proliferation of NT2 embryonal carcinoma cells.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the WD repeat cdt2 family.,similarity:Contains 7 WD repeats.,subcellular location:Nuclear matrix-associated protein. Translocates from



the interphase nucleus to the metaphase cytoplasm during mitosis.,subunit:Probable part of a cullin-RING E3 protein ligase complex containing CUL4B-DDB1 and a substrate-recruiting component (DCAF). Interacts with CUL4B and D

Background

developmental stage:Expressed in all fetal tissues examined, included brain, lung, liver, and kidney.,function:Required for CDT1 proteolysis in response to DNA damage through the CUL4-DDB1 E3 ubiquitin-protein ligase. Seems to be necessary to ensure proper cell cycle regulation of DNA replication. May function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex. May play a role in cell proliferation of NT2 embryonal carcinoma cells.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the WD repeat cdt2 family.,similarity:Contains 7 WD repeats.,subcellular location:Nuclear matrix-associated protein. Translocates from the interphase nucleus to the metaphase cytoplasm during mitosis.,subunit:Probable part of a cullin-RING E3 protein ligase complex containing CUL4B-DDB1 and a substrate-recruiting component (DCAF). Interacts with CUL4B and DDB1.,tissue specificity:Expressed in placenta and testis, very low expression seen in skeletal muscle. Detected in all hematopoietic tissues examined, with highest expression in thymus and bone marrow. A low level detected in the spleen and lymph node, and barely detectable level in the peripheral leukocytes. RA treatment down-regulated the expression in NT2 cell.,

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images