

Rabbit anti-Human DTL Polyclonal Antibody | anti-DTL antibody

DTL Antibody

CATALOG # AAA233111	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

DTL; Polyclonal Antibody; DTL Antibody; Denticleless protein homolog; DDB1- and CUL4-associated factor 2; Lethal(2) denticleless protein homolog; Retinoic acid-regulated nuclear matrix-associated protein; CDT2; CDW1; DCAF2; L2DTL; RAMP; anti-DTL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	459
Applicable Applications for anti-DTL antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Denticleless protein homolog protein (393-550AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-79901 / sc-79903 / sc-98442
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA233111 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA233111 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-DTL antibody	Substrate-specific adapter of a DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complex required for cell cycle control, DNA damage response and translesion DNA synthesis. The DCX(DTL) complex, also named CRL4(CDT2) complex, mediates the polyubiquitination and subsequent degradation of CDT1, CDKN1A/p21(CIP1), FBXO18/FBH1 and KMT5A (PubMed: 16861906, PubMed: 16949367, PubMed: 16964240, PubMed: 17085480, PubMed: 18703516, PubMed: 18794347, PubMed: 18794348, PubMed: 19332548, PubMed: 20129063, PubMed: 23478441, PubMed: 23478445, PubMed: 23677613). CDT1 degradation in response to DNA damage is necessary to ensure proper cell cycle regulation of DNA replication (PubMed: 16861906, PubMed: 16949367, PubMed: 17085480). CDKN1A/p21(CIP1) degradation during S phase or following UV irradiation is essential to control replication licensing (PubMed: 18794348, PubMed: 19332548). KMT5A degradation is also important for a proper regulation of mechanisms such as TGF-beta signaling, cell cycle progression, DNA repair and cell migration (PubMed: 23478445). Most substrates require their interaction with PCNA for their polyubiquitination: substrates interact with PCNA via their PIP-box, and those containing the 'K+4' motif in the PIP box, recruit the DCX(DTL) complex, leading to their degradation. In undamaged proliferating cells, the DCX(DTL) complex also promotes the 'Lys-164' monoubiquitination of PCNA, thereby being involved in PCNA-dependent translesion DNA synthesis (PubMed: 20129063, PubMed: 23478441, PubMed: 23478445, PubMed: 23677613).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	555943672
NCBI GeneID	51514
NCBI Accession #	NP_001273158.1
NCBI GenBank Nucleotide #	NM_001286229.1
UniProt Accession #	Q9NZJ0; Q5VT77; Q96SN0; Q9NW03; Q9NW34; Q9NWM5; A8K8H8; D3DT98
Molecular Weight	23,682 Da
NCBI Official Full Name	denticleless protein homolog isoform 2
NCBI Official Synonym Full Names	denticleless E3 ubiquitin protein ligase homolog
NCBI Official Symbol	DTL
NCBI Official Synonym Symbols	CDT2; RAMP; DCAF2; L2DTL
NCBI Protein Information	denticleless protein homolog
UniProt Protein Name	Denticleless protein homolog
UniProt Gene Name	DTL
UniProt Synonym Gene Names	CDT2; CDW1; DCAF2; L2DTL; RAMP
UniProt Entry Name	DTL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dtl-antibody-immunohistochemistry-elisa/233111>