

Rabbit CDT1/DUP Polyclonal Antibody | anti-CDT1 antibody

Anti-CDT1/DUP Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126102	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

CDT1/DUP; Polyclonal Antibody; Anti-CDT1/DUP Antibody Picoband; anti-CDT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Human IL6
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CDT1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	4.69 pg/ml-300 pg/ml
Immunogen	E Coli-derived human CDT1/DUP recombinant protein (Position: D508-L546).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of HepG2 cells using anti-CDT1/DUP antibody (AAA126102).Overlay histogram showing HepG2 cells stained with AAA126102 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CDT1/DUP Antibody (AAA126102, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of CDT1/DUP using anti-CDT1/DUP antibody (AAA126102).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Jurkat whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: human Raji whole cell lysates,Lane 4: human K562 whole cell lysates,Lane 5: rat brain tissue lysates,Lane 6: rat liver tissue lysates,Lane 7: mouse brain tissue lysates,Lane 8: mouse liver tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CDT1/DUP antigen affinity purified polyclonal antibody (#AAA126102) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CDT1/DUP at approximately 65 kDa. The expected band size for CDT1/DUP is at 60 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CDT1 antibody	Background: The human interferon-beta 2 gene (IFNB2) product is identical to that for the B-cell stimulation factor-2 (BSF-2), the hybridoma growth factor (HGF) ("interleukin-6"), and the hepatocyte stimulating factor (HSF). Proteins derived from this gene mediate the plasma protein response to tissue injury (acute-phase response) and regulate the growth and differentiation of both B and T cells. Interleukin-6 (IL6) has come to be regarded as a potential osteoporotic factor because it has stimulatory effects on cells of the osteoclast lineage, and, thus, may play a role in the pathogenesis of bone loss associated with estrogen deficiency. IL-6 has many roles essential to the regulation of the immune response, hematopoiesis, and bone resorption. It is involved not only in the hepatic acute phase response but also in adipose tissue metabolism, lipoprotein lipase activity, and hepatic triglyceride secretion. Overproduction of IL-6, a proinflammatory cytokine, is associated with a spectrum of age-related conditions including cardiovascular disease, osteoporosis, arthritis, type 2 diabetes, certain cancers, periodontal disease, frailty, and functional decline. BSF-2 is a novel interleukin consisting of 184 amino acids. The standard product used in this kit is recombinant human IL-6, consisting of 184 amino acids with the molecular mass of 20.3kDa.
Product Categories/Family for anti-CDT1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	308153620
NCBI GeneID	81620
UniProt Accession #	Q9H211; Q86XX9; Q96CJ5; Q96GK5; Q96H67; Q96HE6; Q9BWM0
Molecular Weight	546
NCBI Official Full Name	DNA replication factor Cdt1
NCBI Official Synonym Full Names	chromatin licensing and DNA replication factor 1
NCBI Official Symbol	CDT1
NCBI Official Synonym Symbols	DUP; RIS2
NCBI Protein Information	DNA replication factor Cdt1; CDT1; Double parked, Drosophila, homolog of
UniProt Protein Name	DNA replication factor Cdt1
UniProt Gene Name	CDT1
UniProt Synonym Gene Names	DUP

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/cdt1-dup-antibody-western-blot-flow-cytometry-elisa/126102>