

Rabbit anti-Human, Mouse XTP3TPA/DCTPP1 Polyclonal Antibody | anti-DCTPP1 antibody

Anti-XTP3TPA/DCTPP1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126595	Rabbit	Human, Mouse	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

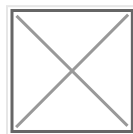
PRODUCT SYNONYMS

XTP3TPA/DCTPP1; Polyclonal Antibody; Anti-XTP3TPA/DCTPP1 Antibody Picoband; anti-DCTPP1 antibody

PRODUCT SPECIFICATIONS

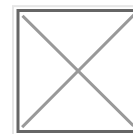
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-DCTPP1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human XTP3TPA/DCTPP1 recombinant protein (Position: R22-T170).
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.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of JK cells using anti-XTP3TPA/DCTPP1 antibody (AAA126595). Overlay histogram showing JK cells stained with AAA126595 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-XTP3TPA/DCTPP1 Antibody (AAA126595, 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 XTP3TPA/DCTPP1 using anti-XTP3TPA/DCTPP1 antibody (AAA126595). 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 HepG2 whole cell lysates, Lane 2: human Jurkat whole cell lysates, Lane 3: human K562 whole cell lysates, Lane 4: human PC-3 whole cell 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-XTP3TPA/DCTPP1 antigen affinity purified polyclonal antibody (#AAA126595) 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 XTP3TPA/DCTPP1 at approximately 19 kDa. The expected band size for XTP3TPA/DCTPP1 is at 19 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DCTPP1 antibody	dCTP pyrophosphatase 1 is an enzyme that in humans is encoded by the DCTPP1 gene. The protein encoded by this gene is dCTP pyrophosphatase, which converts dCTP to dCMP and inorganic pyrophosphate. The encoded protein also displays weak activity against dTTP and dATP, but none against dGTP. This protein may be responsible for eliminating excess dCTP after DNA synthesis and may prevent overmethylation of CpG islands. Three transcript variants, one protein-coding and the other two non-protein coding, have been found for this gene.
Product Categories/Family for anti-DCTPP1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	13129100
NCBI GeneID	79077
NCBI Accession #	NP_077001.1
NCBI GenBank Nucleotide #	NM_024096.1
UniProt Accession #	Q9H773
Molecular Weight	18,681 Da
NCBI Official Full Name	dCTP pyrophosphatase 1
NCBI Official Synonym Full Names	dCTP pyrophosphatase 1
NCBI Official Symbol	DCTPP1
NCBI Official Synonym Symbols	CDA03; RS21C6; XTP3TPA
NCBI Protein Information	dCTP pyrophosphatase 1; XTP3-transactivated gene A protein; XTP3-transactivated protein A; dCTPase 1; deoxycytidine-triphosphatase 1
UniProt Protein Name	dCTP pyrophosphatase 1
UniProt Gene Name	DCTPP1
UniProt Synonym Gene Names	XTP3TPA; dCTPase 1
UniProt Entry Name	DCTP1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/xtp3tpa-dctpp1-antibody-western-blot-immunocytochemistry-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/126595>