

Rabbit anti-Human EDC4 Polyclonal Antibody | anti-EDC4 antibody

Anti-EDC4 Antibody Picoband

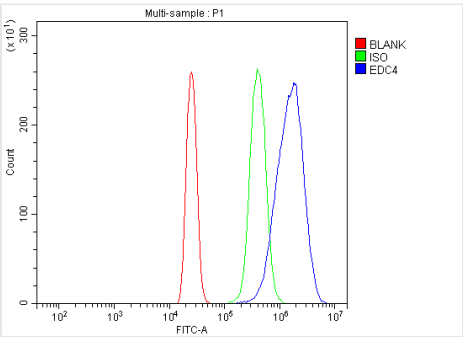
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126414	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

EDC4; Polyclonal Antibody; Anti-EDC4 Antibody Picoband; anti-EDC4 antibody

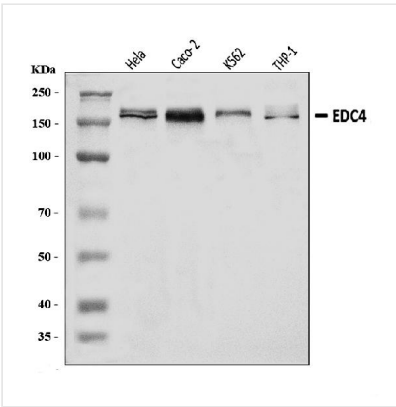
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
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 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-EDC4 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human EDC4 recombinant protein (Position: K1082-L1388).
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 HL-60 cells using anti-EDC4 antibody (AAA126414).Overlay histogram showing HL-60 cells stained with AAA126414 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-EDC4 Antibody (AAA126414, 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 EDC4 using anti-EDC4 antibody (AAA126414).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 HeLa whole cell lysates,Lane 2: human Caco-2 whole cell lysates,Lane 3: human K562 whole cell lysates,Lane 4: human THP-1 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-EDC4 antigen affinity purified polyclonal antibody (#AAA126414) 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 EDC4 at approximately 152 kDa. The expected band size for EDC4 is at 152 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-EDC4 antibody	Enhancer of mRNA-decapping protein 4 is a protein that in humans is encoded by the EDC4 gene. Enhancer of mRNA decapping 4 (EDC4) was originally identified as the autoantigen Ge-1 from a Sjgren's syndrome patient later identified with primary biliary cirrhosis. EDC4 (also known as HEDLS) was later identified as an essential component of cytoplasmic P-bodies responsible for mRNA decapping and degradation. Identified EDC4 protein is found as a pair of isoforms generated by alternative splicing and contains several WD domains and a putative nuclear localization signal. EDC4 co-localizes with other P-body decapping proteins such as DCP1A, DCP2 and GW182. Experimental evidence suggests that EDC4 may be involved in miRNA-mediated translation repression.
Product Categories/Family for anti-EDC4 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	74758241
NCBI GeneID	23644
UniProt Accession #	Q6P2E9; Q13025; Q13826; Q6ZR12; Q7Z6H7; A6NGM1; A8K4T4
Molecular Weight	151,661 Da
NCBI Official Full Name	Enhancer of mRNA-decapping protein 4
NCBI Official Synonym Full Names	enhancer of mRNA decapping 4
NCBI Official Symbol	EDC4
NCBI Official Synonym Symbols	GE1; Ge-1; RCD8; HEDL5; HEDLS; RCD-8
NCBI Protein Information	enhancer of mRNA-decapping protein 4; autoantigen Ge-1; autoantigen RCD-8; human enhancer of decapping large subunit

UniProt Protein Name	Enhancer of mRNA-decapping protein 4
UniProt Gene Name	EDC4
UniProt Synonym Gene Names	HEDLS; Hedls
UniProt Entry Name	EDC4_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://www.aaabiotech.com/polyclonal/edc4-antibody-flow-cytometry-western-blot-elisa/126414>