

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

Anti-ELL Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126300	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

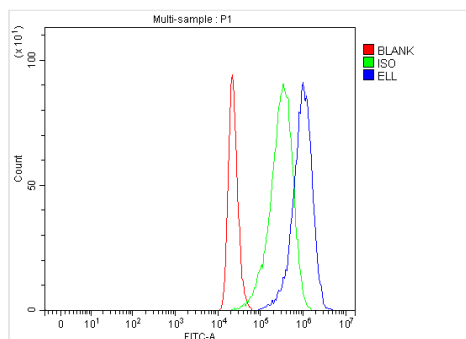
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

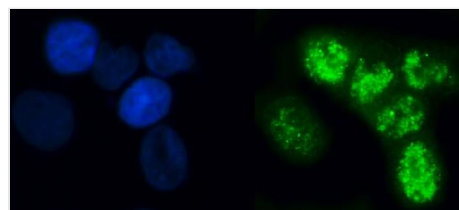
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ELL antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human ELL recombinant protein (Position: M1-S407).
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



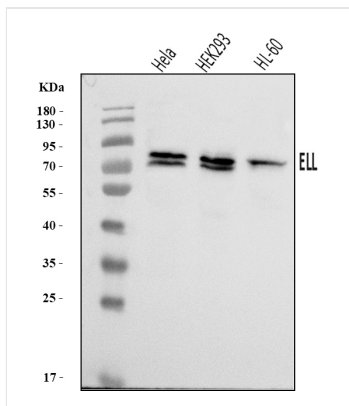
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of 293T cells using anti-ELL antibody (AAA126300). Overlay histogram showing 293T cells stained with AAA126300 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ELL Antibody (AAA126300, 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.



IF (Immunofluorescence)

Figure 2. IF analysis of ELL using anti-ELL antibody (AAA126300). ELL was detected in an immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-ELL Antibody (AAA126300) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of ELL using anti-ELL antibody (AAA126300). 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 HEK293 whole cell lysates, Lane 3: human HL-60 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-ELL antigen affinity purified polyclonal antibody (#AAA126300) 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 ELL at approximately 60-80 kDa. The expected band size for ELL is at 68 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ELL antibody	RNA polymerase II elongation factor ELL is an enzyme that in humans is encoded by the ELL gene. Eleven-nineteen lysine-rich leukemia protein (ELL) was originally identified in a screen for genes that fuse to MLL (myeloid-lymphoid leukemia) in the t(11;19)(q23;p13.1) breakpoint. ELL is an elongation factor that increases the catalytic rate of RNA pol II by suppressing transient pausing of RNA pol II. ELL has been shown to be essential to development and important to cell growth and survival. Alternate names for ELL include RNA polymerase II elongation factor ELL, ELL1, and men.
Product Categories/Family for anti-ELL antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729812
NCBI GeneID	8178
NCBI Accession #	NP_006523.1
NCBI GenBank Nucleotide #	NM_006532.3
UniProt Accession #	P55199
Molecular Weight	68,265 Da
NCBI Official Full Name	RNA polymerase II elongation factor ELL
NCBI Official Synonym Full Names	elongation factor RNA polymerase II
NCBI Official Symbol	ELL
NCBI Official Synonym Symbols	MEN; ELL1; PPP1R68; C19orf17
NCBI Protein Information	RNA polymerase II elongation factor ELL; ELL gene (11-19 lysine-rich leukemia gene); eleven-nineteen lysine-rich leukemia protein; protein phosphatase 1, regulatory subunit 68
UniProt Protein Name	RNA polymerase II elongation factor ELL

UniProt Gene Name	ELL
UniProt Synonym Gene Names	C19orf17
UniProt Entry Name	ELL_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/ell-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126300>