

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

ELL Antibody

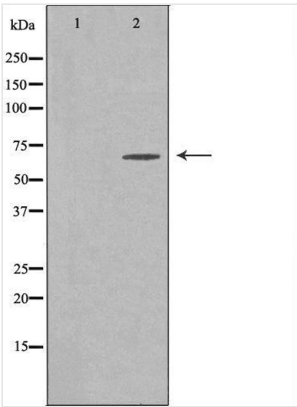
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323919	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ELL; Polyclonal Antibody; ELL Antibody; eleven nineteen lysine rich leukemia gene; Eleven-nineteen lysine-rich leukemia protein; ELL1; elongation factor RNA polymerase II; Men; RNA polymerase II elongation factor; anti-ELL antibody

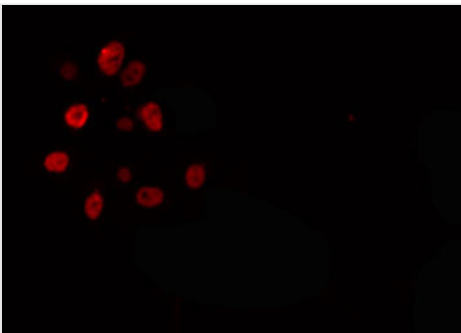
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ELL antibody detects endogenous levels of total ELL
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	621
Applicable Applications for anti-ELL antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus
Tissue Specificity	Expressed in all tissues tested. Highest levels found in placenta, skeletal muscle, testis and peripheral blood leukocytes.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Dog, Chicken, Xenopus
Similarity	Pig (91%), Zebrafish (100%), Bovine (91%), Horse (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using ELL antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA323919 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ELL antibody

Function: Elongation factor component of the super elongation complex (SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. Elongation factor component of the little elongation complex (LEC), a complex required to regulate small nuclear RNA (snRNA) gene transcription by RNA polymerase II and III (PubMed:22195968, PubMed:23932780). Specifically required for stimulating the elongation step of RNA polymerase II-and III-dependent snRNA gene transcription (PubMed:23932780). ELL also plays an early role before its assembly into the SEC complex by stabilizing RNA polymerase II recruitment/initiation and entry into the pause site. Required to stabilize the pre-initiation complex and early elongation.

Subunit Structure: Component of the super elongation complex (SEC), at least composed of EAF1, EAF2, CDK9, MLLT3/AF9, AFF (AFF1 or AFF4), the P-TEFb complex and ELL (ELL, ELL2 or ELL3). Component of the little elongation complex (LEC), at least composed of ELL (ELL, ELL2 or ELL3), ZC3H8, ICE1 and ICE2. Interacts with AFF4; the interaction is direct. Interacts with EAF1 and EAF2. Interacts with ICE1 (via N-terminus domain). Interacts with ICE2. Interacts with USPL1 (PubMed:24413172).

Similarity: Belongs to the ELL/occludin family.

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	Observed: 65 kD Predicted: 69 kDa
NCBI Official Full Name	RNA polymerase II elongation factor ELL
NCBI Official Synonym Full Names	elongation factor for RNA polymerase II
NCBI Official Symbol	ELL
NCBI Official Synonym Symbols	MEN; ELL1; PPP1R68; C19orf17
NCBI Protein Information	RNA polymerase II elongation factor ELL
UniProt Protein Name	RNA polymerase II elongation factor ELL
UniProt Gene Name	ELL

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-immunocytochemistry-immunofluorescence-western-blot-elisa/323919>