ELL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ELL, Polyclonal Antibody
Full Product Name	ELL, CT (ELL, C19orf17, RNA polymerase II elongation factor ELL, Eleven-nineteen lysine-rich leukemia protein) (MaxLight 750)
Product Gene Name	anti-ELL antibody
Product Synonym Names	ELL; C19orf17; RNA polymerase II elongation factor ELL; Eleven-nineteen lysine-rich leukemia protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	68,265 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (18553473..18632937, complement). Location: 19p13.1
OMIM	600284
3D Structure	ModBase 3D Structure for P55199
Immunogen	ELL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 523~553 amino acids from the C-terminal region of human ELL.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-ELL antibody	Antibodies; Cancer Markers; Leukemia
Applications Tested/Suitable for anti-ELL antibody	Western Blot (WB), FLISA
Application Notes for anti-ELL antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-ELL antibody	Elongation factor that can increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA.
Product References and Citations for anti-ELL antibody	Zhou, J., et al. J. Biol. Chem. 284(28):19142-19152(2009). Jiang, F., et al. Cancer Lett. 253(2):265-272(2007). Matsuoka., S., et al. Science 316(5828):1160-1166(2007).
Other Notes	Small volumes of anti-ELL antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for ELL purchase	MBS6295268 is an antibody targeting ELL. Also known as ELL, CT (ELL, C19orf17, RNA polymerase II elongation factor ELL, Eleven-nineteen lysine-rich leukemia protein) (MaxLight 750). Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ELL. It may not necessarily be applicable to this product.

NCBI GI #	5729812
NCBI GeneID	8178
NCBI Accession #	NP_006523.1
UniProt Primary Accession #	P55199
UniProt Related Accession #	P55199
GenBank Nucleotide #	NM_006532.3
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
UniProt Protein Name	RNA polymerase II elongation factor ELL
UniProt Synonym Protein Names	Eleven-nineteen lysine-rich leukemia protein
Protein Family	RNA polymerase II elongation factor
UniProt Gene Name	ELL
UniProt Synonym Gene Names	C19orf17
UniProt Entry Name	ELL_HUMAN
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 Comments for ELL	ELL: Elongation factor that can increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. A chromosomal aberration involving ELL is found in acute leukemias. Translocation t(11;19)(q23;p13.1) with MLL/HRX. The result is a rogue activator protein. Belongs to the ELL/occludin family. Protein type: Transcription initiation complex; Nuclear receptor co-regulator; Oncoprotein Chromosomal Location of Human Ortholog: 19p13.1 Cellular Component: nucleoplasm; Cajal body; transcription elongation factor complex; nuclear speck Molecular Function: protein binding; phosphatase binding Biological Process: transcription from RNA polymerase II promoter; viral reproduction; positive regulation of RNA elongation from RNA polymerase II promoter; positive regulation of viral transcription; in utero embryonic development; positive regulation of RNA elongation; RNA elongation from RNA polymerase II promoter; snRNA transcription from RNA polymerase II promoter; positive regulation of transcription from RNA polymerase III promoter; gene expression; snRNA transcription from RNA polymerase III promoter
Research Articles on ELL	**1.** Studies indicate that the super elongation complex (SEC) consisting of ELL, P-TEFb (CDK9) and MLL required for rapid transcriptional induction in the presence or absence of paused RNA polymerase II (Pol II).

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