

ELL Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9479b**Specification**

ELL Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P55199](#)**ELL Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 8178**Other Names**

RNA polymerase II elongation factor ELL, Eleven-nineteen lysine-rich leukemia protein, ELL, C19orf17

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ELL Antibody (C-term) Blocking Peptide - Protein Information**Name** ELL**Synonyms** C19orf17**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 in 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.

Cellular Location

Nucleus. Nucleus speckle. Nucleus, Cajal body. Note=Colocalizes with EAF2 to nuclear speckles

(PubMed:12446457). Colocalizes with coilin in subnuclear cajal and histone locus bodies (PubMed:12686606). Translocates in the LEC complex to cajal and histone locus bodies at snRNA genes in a ICE1- dependent manner. Associates to transcriptionally active chromatin at snRNA genes(PubMed:23932780).

Tissue Location

Expressed in all tissues tested. Highest levels found in placenta, skeletal muscle, testis and peripheral blood leukocytes

ELL Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ELL Antibody (C-term) Blocking Peptide - Images**ELL Antibody (C-term) Blocking Peptide - Background**

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.

ELL Antibody (C-term) Blocking Peptide - References

??hou, J., et al. J. Biol. Chem. 284(28):19142-19152(2009)??iang, F., et al. Cancer Lett. 253(2):265-272(2007)??atsuoka, S., et al. Science 316(5828):1160-1166(2007)