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ELL3 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18266b

Specification

ELL3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9HB65

ELL3 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 80237

Other Names
RNA polymerase II elongation factor ELL3, ELL3

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.

ELL3 Antibody (C-term) Blocking Peptide - Protein Information

Name ELL3

Function
Enhancer-binding elongation factor that specifically binds enhancers in embryonic stem cells (ES cells), marks them, and is required for their future activation during stem cell specification. Does not only bind to enhancer regions of active genes, but also marks the enhancers that are in a poised or inactive state in ES cells and is required for establishing proper RNA polymerase II occupancy at developmentally regulated genes in a cohesin-dependent manner. Probably required for priming developmentally regulated genes for later recruitment of the super elongation complex (SEC), for transcriptional activation during differentiation. Required for recruitment of P-TEFb within SEC during differentiation. Probably preloaded on germ cell chromatin, suggesting that it may prime gene activation by marking enhancers as early as in the germ cells. Promoting epithelial- mesenchymal transition (EMT) (By similarity). 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. 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).

Cellular Location
Nucleus.

Tissue Location
Testis specific..

ELL3 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ELL3 Antibody (C-term) Blocking Peptide - Images

ELL3 Antibody (C-term) Blocking Peptide - Background

ELL3 is a 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.

ELL3 Antibody (C-term) Blocking Peptide - References

Lamesch, P., et al. Genomics 89(3):307-315(2007)Miller, T., et al. J. Biol. Chem. 275(41):32052-32056(2000)