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ELL3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18266b

Specification

ELL3 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	O9HB65
Other Accession	NP_079441.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**45361**
Antigen Region	**334-360**

ELL3 Antibody (C-term) - Additional Information

Gene ID 80237

Other Names
RNA polymerase II elongation factor ELL3, ELL3

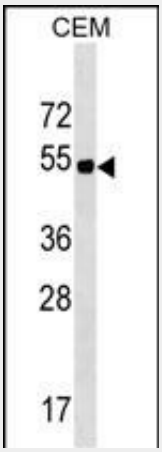
Target/Specificity
This ELL3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 334-360 amino acids from the C-terminal region of human ELL3.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ELL3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.



ELL3 Antibody (C-term) (Cat. #AP18266b) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the ELL3 antibody detected the ELL3 protein (arrow).

ELL3 Antibody (C-term) - 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) - References

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

ELL3 Antibody (C-term) - 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) - Protocols

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

- Western Blot
- Blocking Peptides

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture