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ELL2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16355b

Specification

ELL2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O00472

ELL2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 22936

Other Names
RNA polymerase II elongation factor ELL2, ELL2

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.

ELL2 Antibody (C-term) Blocking Peptide - Protein Information

Name ELL2

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. 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). Plays a role in immunoglobulin secretion in plasma cells: directs efficient alternative mRNA processing, influencing both proximal poly(A) site choice and exon skipping, as well as immunoglobulin heavy chain (IgH) alternative processing. Probably acts by regulating histone modifications accompanying transition from membrane-specific to secretory IgH mRNA expression.

Cellular Location
Nucleus.

ELL2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ELL2 Antibody (C-term) Blocking Peptide - Images

ELL2 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.

ELL2 Antibody (C-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Martincic, K., et al. Nat. Immunol. 10(10):1102-1109(2009)Simone, F., et al. Blood 101(6):2355-2362(2003)Simone, F., et al. Blood 98(1):201-209(2001)Shilatifard, A., et al. Proc. Natl. Acad. Sci. U.S.A. 94(8):3639-3643(1997)