

ELL3 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14848**Specification**

ELL3 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q80VR2
Other Accession	NM_145973 , NP_666085
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45kDa KDa

ELL3 Antibody - C-terminal region - Additional Information**Gene ID** 269344

Alias Symbol	A930015D22Rik
Other Names	
RNA polymerase II elongation factor ELL3, ELL3	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-ELL3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

ELL3 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

ELL3 Antibody - C-terminal region - 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. 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. 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).

Cellular Location

Nucleus.

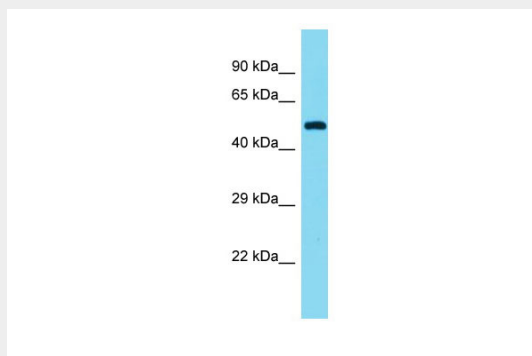
Tissue Location

Actively expressed in embryonic stem cells (ES cells), while it is weakly expressed in differentiated cells

EII3 Antibody - C-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EII3 Antibody - C-terminal region - Images

Host: Rabbit

Target Name: EII3

Sample Tissue: Mouse Kidney lysates

Antibody Dilution: 1.0µg/ml

EII3 Antibody - C-terminal region - References

Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).

Lin C.,et al.Mol. Cell 37:429-437(2010).

Ahn H.J.,et al.PLoS ONE 7:E40293-E40293(2012).

Lin C.,et al.Cell 152:144-156(2013).