

HEXIM1 Antibody (aa181-230)
Rabbit Polyclonal Antibody
Catalog # ALS15749**Specification**

HEXIM1 Antibody (aa181-230) - Product Information

Application	IHC, IF, WB
Primary Accession	O94992
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41kDa KDa

HEXIM1 Antibody (aa181-230) - Additional Information**Gene ID** 10614**Other Names**

Protein HEXIM1, Cardiac lineage protein 1, Estrogen down-regulated gene 1 protein, Hexamethylene bis-acetamide-inducible protein 1, Menage a quatre protein 1, HEXIM1, CLP1, EDG1, HIS1, MAQ1

Target/Specificity

HEXIM1 Antibody detects endogenous levels of total HEXIM1 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

HEXIM1 Antibody (aa181-230) is for research use only and not for use in diagnostic or therapeutic procedures.

HEXIM1 Antibody (aa181-230) - Protein Information**Name** HEXIM1**Synonyms** CLP1, EDG1, HIS1, MAQ1**Function**

Transcriptional regulator which functions as a general RNA polymerase II transcription inhibitor (PubMed: [14580347](http://www.uniprot.org/citations/14580347), PubMed: [15713661](http://www.uniprot.org/citations/15713661), PubMed: [15201869](http://www.uniprot.org/citations/15201869)). Core component of the 7SK RNP complex: in cooperation with 7SK snRNA sequesters P-TEFb in a large inactive 7SK snRNP complex preventing RNA polymerase II phosphorylation and subsequent transcriptional elongation (PubMed: [12832472](http://www.uniprot.org/citations/12832472), PubMed: [14580347](http://www.uniprot.org/citations/14580347), PubMed: [15713661](http://www.uniprot.org/citations/15713661)

target="_blank">15713661, PubMed:15201869). May also regulate NF-kappa-B, ESR1, NR3C1 and CIITA-dependent transcriptional activity (PubMed:15940264, PubMed:15941832, PubMed:17088550). Plays a role in the regulation of DNA virus-mediated innate immune response by assembling into the HDP-RNP complex, a complex that serves as a platform for IRF3 phosphorylation and subsequent innate immune response activation through the cGAS-STING pathway (PubMed:28712728).

Cellular Location

Nucleus. Cytoplasm. Note=Binds alpha-importin and is mostly nuclear (PubMed:16362050)

Tissue Location

Ubiquitously expressed with higher expression in placenta. HEXIM1 and HEXIM2 are differentially expressed. Expressed in endocrine tissues.

Volume

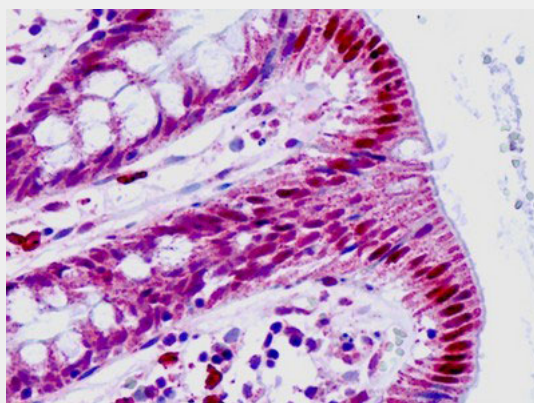
50 µl

HEXIM1 Antibody (aa181-230) - Protocols

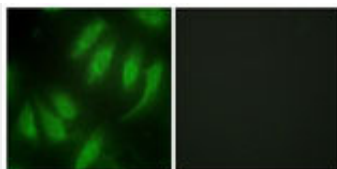
Provided below are standard protocols that you may find useful for product applications.

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

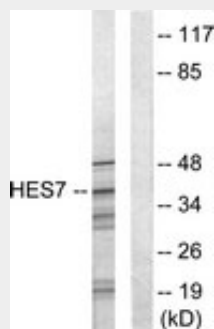
HEXIM1 Antibody (aa181-230) - Images



Human, Small intestine: Formalin-Fixed Paraffin-Embedded (FFPE)



Immunofluorescence of HeLa cells, using HEXIM1 Antibody.



Western blot of extracts from NIH-3T3 cells, using HEXIM1 Antibody.

HEXIM1 Antibody (aa181-230) - Background

Transcriptional regulator which functions as a general RNA polymerase II transcription inhibitor. In cooperation with 7SK snRNA sequesters P-TEFb in a large inactive 7SK snRNP complex preventing RNA polymerase II phosphorylation and subsequent transcriptional elongation. May also regulate NF-kappa-B, ESR1, NR3C1 and CIITA-dependent transcriptional activity.

HEXIM1 Antibody (aa181-230) - References

- Kusuhara M., et al. Biomed. Res. 20:273-279(1999).
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Wittmann B.M., et al. Cancer Res. 63:5151-5158(2003).
- Ouchida R., et al. Genes Cells 8:95-107(2003).
- Yik J.H.N., et al. Mol. Cell 12:971-982(2003).