

HEXIM1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50038**Specification**

HEXIM1 Antibody - Product Information

Application	WB, IF
Primary Accession	O94992
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41,60(actual) KDa
Antigen Region	201-229

HEXIM1 Antibody - 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

Dilution

WB~~ 1:1000

IF~~1:100

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

HEXIM1 Antibody - Protein Information**Name** HEXIM1**Synonyms** CLP1, EDG1, HIS1, MAQ1**Function**

Transcriptional regulator which functions as a general RNA polymerase II transcription inhibitor (PubMed:14580347, PubMed:15201869, PubMed:15713661). 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)

target="_blank">12832472, PubMed:14580347, PubMed:15201869, PubMed:15713661). 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

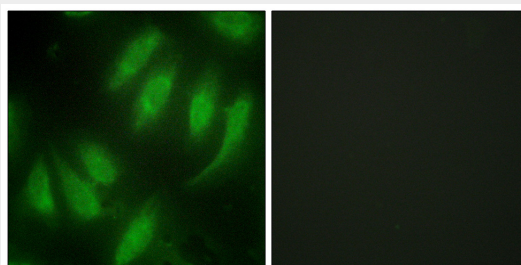
Ubiquitously expressed with higher expression in placenta. HEXIM1 and HEXIM2 are differentially expressed. Expressed in endocrine tissues.

HEXIM1 Antibody - Protocols

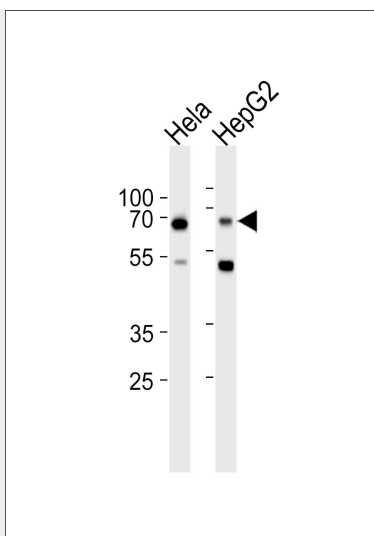
Provided below are standard protocols that you may find useful for product applications.

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

HEXIM1 Antibody - Images



Immunofluorescence analysis of HeLa cells, using HES7 antibody.



Western blot analysis of lysates from HeLa, HepG2 cell line (from left to right), using HEXIM1 Antibody (C10210). C10210 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

HEXIM1 Antibody - 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-κB, ESR1, NR3C1 and CIITA-dependent transcriptional activity.

HEXIM1 Antibody - 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).