

# HEXIM1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50038

## Product Information

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Application	WB, IF
Primary Accession	<a href="#">O94992</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Calculated MW	40623

## Additional Information

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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

## Protein Information

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Name	HEXIM1
Synonyms	CLP1, EDG1, HIS1, MAQ1
Function	Transcriptional regulator which functions as a general RNA polymerase II transcription inhibitor (PubMed: <a href="#">14580347</a> , PubMed: <a href="#">15201869</a> , PubMed: <a href="#">15713661</a> ). 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: <a href="#">12832472</a> , PubMed: <a href="#">14580347</a> , PubMed: <a href="#">15201869</a> , PubMed: <a href="#">15713661</a> ). May also regulate NF-kappa-B, ESR1, NR3C1 and CIITA-dependent transcriptional activity (PubMed: <a href="#">15940264</a> , PubMed: <a href="#">15941832</a> , PubMed: <a href="#">17088550</a> ). 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: <a href="#">28712728</a> ).

**Cellular Location**

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

**Tissue Location**

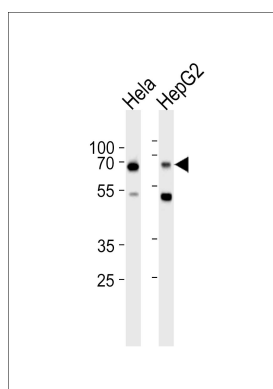
Ubiquitously expressed with higher expression in placenta. HEXIM1 and HEXIM2 are differentially expressed. Expressed in endocrine tissues.

**Background**

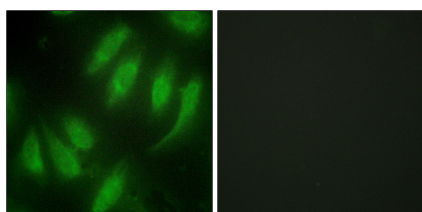
Transcriptional regulator which functions as a general RNA polymerase II transcription inhibitor. In cooperation with 7SK snRNA sequesters P-TEFb in a large inactive 7SK snRNP complex preventing RNA polymerase II phosphorylation and subsequent transcriptional elongation. May also regulate NF-kappa-B,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

**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).

**Images**

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 35ug per lane.



Immunofluorescence analysis of HeLa cells, using HES7 antibody.

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