10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

HEXIM1 Antibody - Product Information

Application	**IF, WB**
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
IF~~1:100
WB~~ 1:1000

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℃

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:15713661, PubMed: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:<a href="http://www.uniprot.org/citations/12832472"

target="_blank">12832472, PubMed:14580347, PubMed: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)

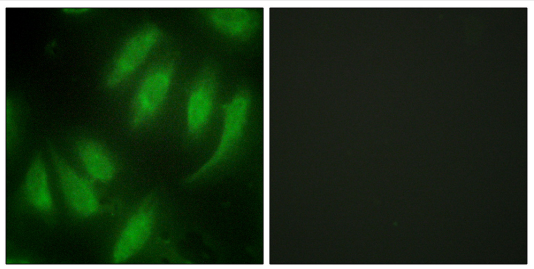
Tissue Location
Ubiquitously expressed with higher expression in placenta. HEXIM1 and HEXIM2 are differentially expressed. Expressed in endocrine tissues.

HEXIM1 Antibody - Protocols

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

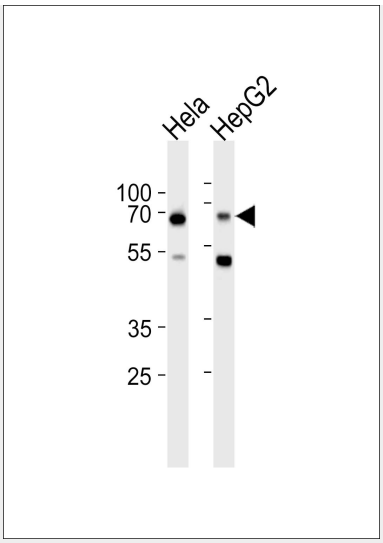
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HEXIM1 Antibody - Images



Immunofluorescence analysis of HeLa cells, using HES7 antibody.

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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.

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-kappa-B, 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).