

HEXIM1 antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11642c**Specification**

HEXIM1 antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	O94992
Other Accession	Q5M9G1 , Q8R409 , Q0X0C4 , NP_006451.1
Reactivity	Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40623
Antigen Region	194-222

HEXIM1 antibody (Center) - 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

This HEXIM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 194-222 amino acids from the Central region of human HEXIM1.

Dilution

WB~~1:1000

IHC-P~~1:10~50

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HEXIM1 antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HEXIM1 antibody (Center) - 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](#), 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

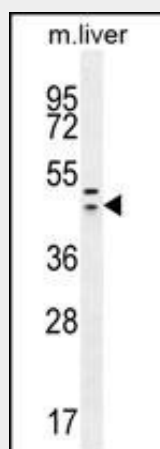
Ubiquitously expressed with higher expression in placenta. HEXIM1 and HEXIM2 are differentially expressed. Expressed in endocrine tissues.

HEXIM1 antibody (Center) - Protocols

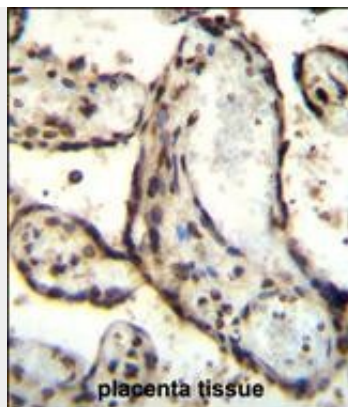
Provided below are standard protocols that you may find useful for product applications.

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

HEXIM1 antibody (Center) - Images



HEXIM1 antibody (Center) (Cat. #AP11642c) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the HEXIM1 antibody detected the HEXIM1 protein (arrow).



HEXIM1 antibody (Center) (Cat. #AP11642c) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HEXIM1 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

HEXIM1 antibody (Center) - Background

Expression of this gene is induced by hexamethylene-bis-acetamide in vascular smooth muscle cells. This gene has no introns.

HEXIM1 antibody (Center) - References

Dow, E.C., et al. J. Cell. Physiol. 224(1):84-93(2010)
Ogba, N., et al. Oncogene 29(25):3639-3649(2010)
Schonichen, A., et al. Biochemistry 49(14):3083-3091(2010)
Czudnochowski, N., et al. J. Mol. Biol. 395(1):28-41(2010)
Krueger, B.J., et al. PLoS ONE 5 (8), E12335 (2010) :