

HEXIM1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13992a

Specification

HEXIM1 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O94992
Other Accession	Q0X0C4 , NP_006451.1
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40623
Antigen Region	18-46

HEXIM1 Antibody (N-term) - 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 18-46 amino acids from the N-terminal region of human HEXIM1.

Dilution

WB~~1:1000
IHC-P~~1:10~50

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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HEXIM1 Antibody (N-term) - 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:[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)

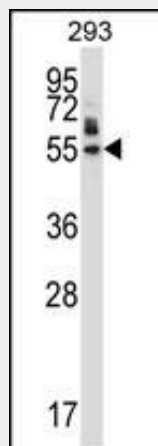
Tissue Location

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

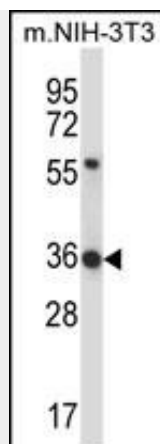
HEXIM1 Antibody (N-term) - Protocols

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

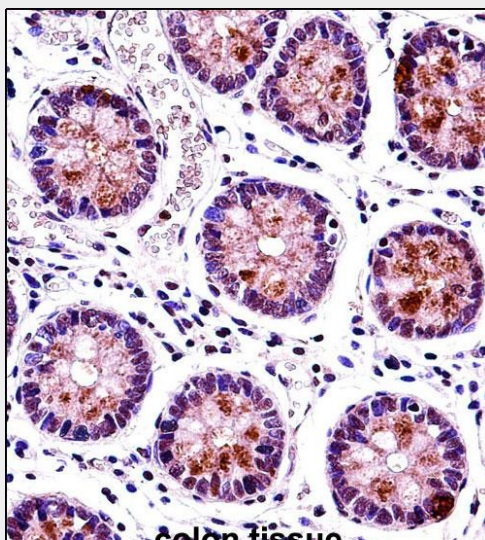
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HEXIM1 Antibody (N-term) - Images

HEXIM1 Antibody (N-term) (Cat. #AP13992a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the HEXIM1 antibody detected the HEXIM1 protein (arrow).



HEXIM1 Antibody (N-term) (Cat. #AP13992a) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the HEXIM1 antibody detected the HEXIM1 protein (arrow).



HEXIM1 Antibody (N-term) (Cat. #AP13992a) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of HEXIM1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

HEXIM1 Antibody (N-term) - Background

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

HEXIM1 Antibody (N-term) - 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) :