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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
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 (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: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)

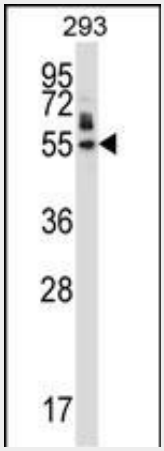
Tissue Location
Ubiquitously expressed with higher expression in placenta. HEXIM1 and HEXIM2 are differentially expressed. Expressed in endocrine tissues.

HEXIM1 Antibody (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 Cytomety
- 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).

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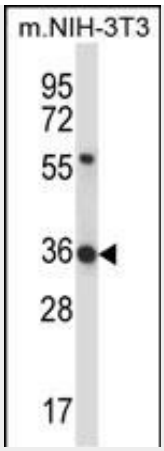
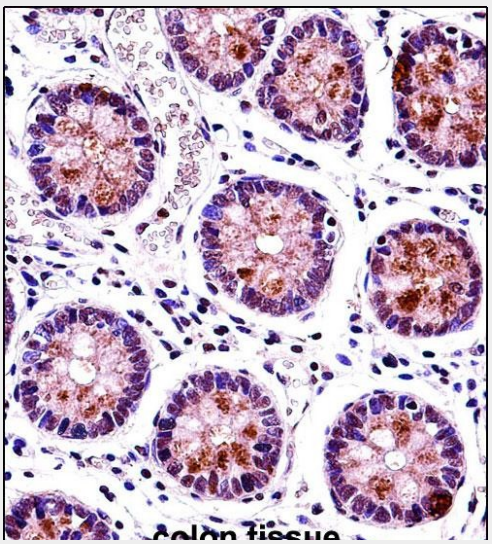


HEXIM1 Antibody (N-term) (Cat. #AP13992a) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the HEXIM1 antibody detected the HEXIM1 protein (arrow).



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) :