



Hexim1 Monoclonal Antibody

Catalog No	YP-mAb-01774
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HEXIM1
Immunogen	The antiserum was produced against synthesized peptide derived from human HEXIM1. AA range:181-230
Specificity	Hexim1 Monoclonal Antibody detects endogenous levels of Hexim1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HEXIM 1;Hexamethylene bis-acetamide-inducible protein 1;Estrogen down-regulated gene 1 protein;EDG1;CLP1;Hexim1;Protein HEXIM1;HIS1;MAQ1; Cardiac lineage protein 1;Menage a quatre protein 1
Observed Band	40kD
Calculated Molecular Weight	40kD
Cell Pathway	Nucleus . Cytoplasm . Binds alpha-importin and is mostly nuclear (PubMed:16362050).
Tissue Specificity	Ubiquitously expressed with higher expression in placenta. HEXIM1 and HEXIM2 are differentially expressed. Expressed in endocrine tissues.
Function	domain:The coiled-coil domain mediates oligomerization., function: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., induction:Up-regulated by HMBA (hexamethylene bisacetamide) (at protein level) . Down-regulated by estrogen.,miscellaneous:Inhibits Tat activity which is required for HIV-1 transcription.,similarity:Belongs to the HEXIM family.,



subcellular location: Binds alpha-importin and is mostly nuclear.,
subunit: Homooligomer and heterooligomer with HEXIM2; probably dimeric.
Component of the 7SK snRNP complex at least composed of P-TEFb
(composed of CDK9 and CCNT1/cyclin-T1), HEXIM1, H

Background

Expression of this gene is induced by hexamethylene-bis-acetamide in vascular smooth muscle cells. This gene has no introns. [provided by RefSeq, Jul 2008],

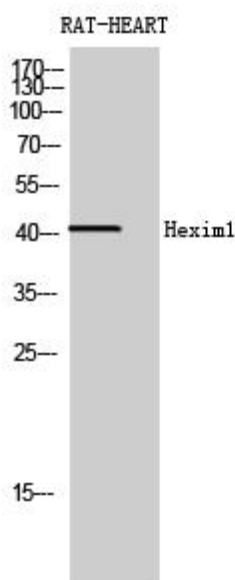
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Hexim1 Monoclonal Antibody