

Rabbit HEXIM1 Polyclonal Antibody | anti-HEXIM1 antibody

HEXIM1 Antibody

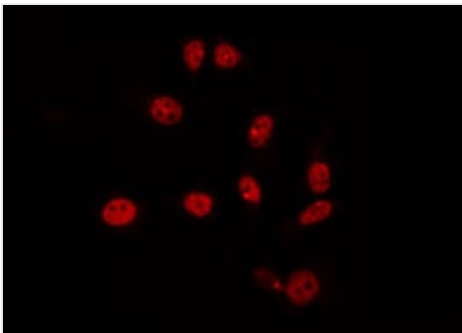
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321108	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

HEXIM1; Polyclonal Antibody; HEXIM1 Antibody; Cardiac lineage protein 1; CLP 1; CLP1; EDG 1; EDG1; Estrogen down-regulated gene 1 protein; FLJ13562; Hexamethylene bis acetamide inducible 1; Hexamethylene bis acetamide inducible protein; Hexamethylene bis acetamide inducible transcript 1; Hexamethylene bis-acetamide-inducible protein 1; HEXI1_HUMAN; HEXIM 1; Hexim1; HEXIM1 protein; HIS 1; HIS1; HMBA inducible; MAQ 1; MAQ1; Menage a quatre 1; Menage a quatre protein 1; Protein HEXIM1; anti-HEXIM1 antibody

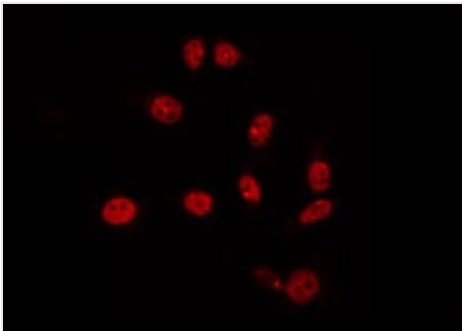
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HEXIM1 antibody detects endogenous levels of HEXIM1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	359
Applicable Applications for anti-HEXIM1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HEXIM1
Subcellular Location	Nucleus. Cytoplasm. Binds alpha-importin and is mostly nuclear.
Tissue Specificity	Ubiquitously expressed with higher expression in placenta. HEXIM1 and HEXIM2 are differentially expressed. Expressed in endocrine tissues.
Predicted Cross Reactivity	Bovine, Horse, Rabbit, Dog
Similarity	Bovine (91%), Horse (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



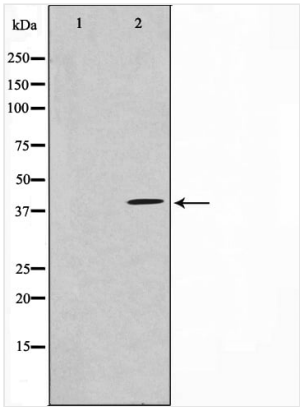
IF (Immunofluorescence)

AAA321108 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IF (Immunofluorescence)

AAA321108 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis on NIH-3T3 cell lysate using HEXIM1 Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti- HEXIM1 antibody	Description: HEXIM1 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. 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, HEXIM2, BCDIN3, SART3 proteins and 7SK and U6 snRNAs. Interacts with the N-CoR complex through NCOR1. Function: Transcriptional regulator which functions as a general RNA polymerase II transcription inhibitor (PubMed:14580347, PubMed:15713661, PubMed:15201869). 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). Subunit Structure: Homooligomer and heterooligomer with HEXIM2; probably dimeric (PubMed:15713661, PubMed:15965233, PubMed:16377779). Component of the 7SK snRNP complex at least composed of P-TEFb (composed of CDK9 and CCNT1/cyclin-T1), HEXIM1, HEXIM2, BCDIN3, SART3 proteins and 7SK and U6 snRNAs (PubMed:12832472, PubMed:15201869, PubMed:15169877, PubMed:16362050, PubMed:15713661, PubMed:15855166, PubMed:16377779, PubMed:17643375, PubMed:17724342). Interacts with the N-CoR complex through NCOR1 (PubMed:17452463). Interacts with ESR1 and NR3C1 (PubMed:15940264, PubMed:15941832). May interact with NF-kappa-B through RELA (PubMed:12581153). Interacts with CCNT2; mediates formation of a tripartite complex with KPNA2 (PubMed:19883659). Part of the HDP-RNP complex composed of at least HEXIM1, PRKDC, XRCC5, XRCC6, paraspeckle proteins (SFPQ, NONO, PSPC1, RBM14, and MATR3) and NEAT1 non-coding RNA (PubMed:28712728). Similarity: The coiled-coil domain mediates oligomerization. Belongs to the HEXIM family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453682
NCBI GeneID	10614
NCBI Accession #	NP_006451.1
NCBI GenBank Nucleotide #	NM_006460.2
UniProt Accession #	O94992; B2R8Y5
Molecular Weight	Observed: 40 kDa Predicted: 41 kDa
NCBI Official Full Name	protein HEXIM1
NCBI Official Synonym Full Names	hexamethylene bisacetamide inducible 1
NCBI Official Symbol	HEXIM1
NCBI Official Synonym Symbols	CLP1; EDG1; HIS1; MAQ1
NCBI Protein Information	protein HEXIM1
UniProt Protein Name	Protein HEXIM1
UniProt Gene Name	HEXIM1
UniProt Synonym Gene Names	CLP1; EDG1; HIS1; MAQ1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hexim1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321108>