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KD-Validated Anti-HEXIM1 Mouse Monoclonal Antibody

Mouse monoclonal antibody
Catalog # AGI2221

Product Information

Application	WB, FC
Primary Accession	O94992
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Names	25GB650
Calculated MW	40623
Gene Name	HEXIM1
Aliases	HEXIM1; HEXIM P-TEFb Complex Subunit 1; HIS1; MAQ1; EDG1; Hexamethylene Bis-Acetamide-Inducible Protein 1; Hexamethylene Bisacetamide Inducible 1; Estrogen Down-Regulated Gene 1 Protein; Cardiac Lineage Protein 1; Menage A Quatre Protein 1; Protein HEXIM1; CLP-1; CLP1; Hexamethylene-Bis-Acetamide-Inducible Transcript 1; Hexamethylene Bisacetamide-Inducible Protein; Hexamethylene Bis-Acetamide Inducible 1; Hexamthylene Bis-Acetamide Inducible 1; Menage A Quatre 1; HMBA-Inducible
Immunogen	Recombinant protein of human HEXIM1

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

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.

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