



HEXI2 Monoclonal Antibody

Catalog No	BYmab-06549
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	HEXIM2 L3
Protein Name	Protein HEXIM2 (Hexamethylene bis-acetamide-inducible protein 2)
Immunogen	Synthesized peptide derived from human protein . at AA range: 100-180
Specificity	HEXI2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	31kD
Cell Pathway	Nucleus .
Tissue Specificity	Ubiquitously expressed with higher expression in testis. HEXIM1 and HEXIM2 are differentially expressed.
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.,induction:Up-regulated by HMBA (hexamethylene bisacetamide) (at protein level).,similarity:Belongs to the HEXIM family.,subunit:Homooligomer and heterooligomer with HEXIM1; 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.,tissue specificity:Ubiquitously expressed with higher expression in testis. HEXIM1 and HEXIM2 are differentially expressed.,

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Background

This gene encodes a member of the HEXIM family of proteins. This protein is a component of the 7SK small nuclear ribonucleoprotein. This protein has been found to negatively regulate the kinase activity of the cyclin-dependent kinase P-TEFb, which phosphorylates multiple target proteins to promote transcriptional elongation. This gene is located approximately 7 kb downstream from related family member HEXIM1 on chromosome 17. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015],

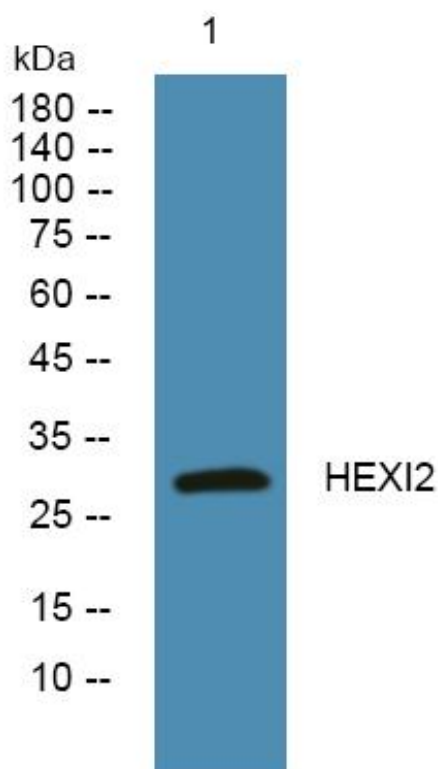
matters needing attention

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 HEXI2 Monoclonal Antibody