



MRG15 Monoclonal Antibody

Catalog No	YP-mAb-01876
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MORF4L1
Immunogen	The antiserum was produced against synthesized peptide derived from human MORF4L1. AA range:31-80
Specificity	MRG15 Monoclonal Antibody detects endogenous levels of MRG15 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	Eaf3;FWP006;HSPC008;HSPC061;HsT17725;MORF related gene 15 protein; MORF4L1;MORFRG15;mortality factor 4 like 1;MRG15;PP368;Protein MSL3 1; S863 6;Mortality factor 4-like protein 1;MORF-related gene 15 protein;Protein MSL3-1;Transcription factor-like protein MRG15
Observed Band	41kD
Calculated Molecular Weight	41kD
Cell Pathway	Nucleus.
Tissue Specificity	Aorta,Brain,Kidney,Lung,PCR rescued clones,Skin,Testis,Umbilical cord blood
Function	function:Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part,



contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Also component of the mSin3A complex which acts to

Background

function:Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Also component of the mSin3A complex which acts to repress transcription by deacetylation of nucleosomal histones.,similarity:Belongs to the MRG family.,subunit:Component of the NuA4 histone acetyltransferase complex which contains the catalytic subunit HTATIP/TIP60 and the subunits EP400, TRRAP/PAF400, BRD8/SMAP, EPC1, DMAP1/DNMAP1, RUVBL1/TIP49, RUVBL2, ING3, actin, ACTL6A/BAF53A, MORF4L1/MRG15, MORF4L2/MRGX, MRGBP, YEATS4/GAS41, VPS72/YL1 and EAF6. The NuA4 complex interacts with MYC and the adenovirus E1A protein. MORF4L1 may also participate in the formation of NuA4 related complexes which lack the HTATIP/TIP60 catalytic subunit, but which include the SWI/SNF related protein SRCAP. Component of the mSin3A histone deacetylase complex, which includes SIN3A, HDAC2, ARID4B, MORF4L1, RBBP4/RbAp48, and RBBP7/RbAp46. MORF4L1 interacts with RB1 and MYST1. MORF4L1 may also interact with PHF12 and one or more as yet undefined members of the TLE (transducin-like enhancer of split) family of transcriptional repressors. Interacts with the N-terminus of MRFAP1. Found in a complex composed of MORF4L1, MRFAP1 and RB1.,

matters needing attention

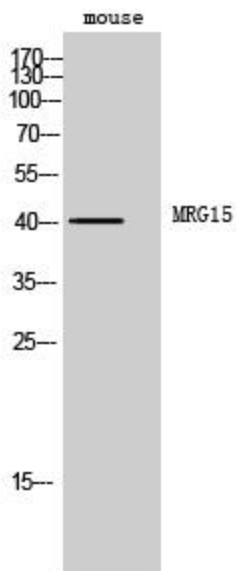
Avoid repeated freezing and thawing!

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 MRG15 Monoclonal Antibody