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MORF4L2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14737b

Product Information

Application	WB, E
Primary Accession	Q15014
Other Accession	Q4R578, NP_001135901.1, NP_001135891.1, NP_001135898.1
Reactivity	Rat, Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34925
Calculated MW	32308
Antigen Region	259-288

Additional Information

Gene ID	9643
Other Names	Mortality factor 4-like protein 2, MORF-related gene X protein, Protein MSL3-2, Transcription factor-like protein MRGX, MORF4L2, KIAA0026, MRGX
Target/Specificity	This MORF4L2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 259-288 amino acids from the C-terminal region of human MORF4L2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MORF4L2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MORF4L2
Synonyms	KIAA0026, MRGX

Function	Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone 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 a component of the MSIN3A complex which acts to repress transcription by deacetylation of nucleosomal histones.
Cellular Location	Nucleus.

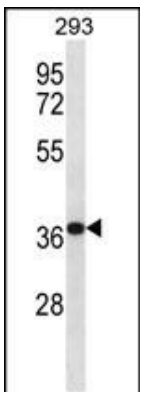
Background

Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histone 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.

References

Pezo, R.C., et al. Cancer Res. 68(13):4977-4982(2008)
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)
Cai, Y., et al. J. Biol. Chem. 280(14):13665-13670(2005)
Tominaga, K., et al. J. Biol. Chem. 278(49):49618-49624(2003)

Images



MORF4L2 Antibody (C-term) (Cat. #AP14737b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the MORF4L2 antibody detected the MORF4L2 protein (arrow).