

MORF4L2 Antibody (C-term) Blocking Peptide

Synthetic peptide

Catalog # BP14737b

Specification

MORF4L2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O15014](#)**MORF4L2 Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MORF4L2 Antibody (C-term) Blocking Peptide - 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.

MORF4L2 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MORF4L2 Antibody (C-term) Blocking Peptide - Images

MORF4L2 Antibody (C-term) Blocking Peptide - 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.

MORF4L2 Antibody (C-term) Blocking Peptide - 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)