

MRG15 / MORF4L1 Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF2360a

Specification

MRG15 / MORF4L1 Antibody (N-Term) - Product Information

Application	WB
Primary Accession	O9UBU8
Other Accession	NP_006782.1 , NP_996670.1 , 10933 , 21761 (mouse)
Reactivity	Mouse
Predicted	Human, Rat, Pig
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	41474

MRG15 / MORF4L1 Antibody (N-Term) - Additional Information

Gene ID 10933

Other Names

Mortality factor 4-like protein 1, MORF-related gene 15 protein, Protein MSL3-1, Transcription factor-like protein MRG15, MORF4L1, MRG15

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MRG15 / MORF4L1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRG15 / MORF4L1 Antibody (N-Term) - Protein Information

Name MORF4L1 ([HGNC:16989](#))

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. As part of the SIN3B complex represses transcription and counteracts the histone acetyltransferase activity of EP300 through the recognition H3K27ac marks by PHF12 and the activity of the histone deacetylase HDAC2 (PubMed:12391155, PubMed:14966270, PubMed:37137925). SIN3B complex is recruited downstream of the constitutively active genes transcriptional start sites through interaction with histones and mitigates histone acetylation and RNA polymerase II progression within transcribed regions contributing to the regulation of transcription (PubMed:21041482). Required for homologous recombination repair (HRR) and resistance to mitomycin C (MMC). Involved in the localization of PALB2, BRCA2 and RAD51, but not BRCA1, to DNA-damage foci.

Cellular Location

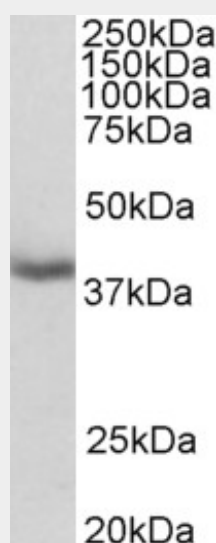
Nucleus.

MRG15 / MORF4L1 Antibody (N-Term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MRG15 / MORF4L1 Antibody (N-Term) - Images



AF2360a (0.1 µg/ml) staining of Mouse Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

MRG15 / MORF4L1 Antibody (N-Term) - Background

This antibody is expected to recognise isoform 1 (NP_006782.1) and isoform 2 (NP_996670.1).

MRG15 / MORF4L1 Antibody (N-Term) - References

MRG15, a Novel Chromodomain Protein, Is Present in Two Distinct Multiprotein Complexes Involved in Transcriptional Activation. Pardo PS, Leung JK, Lucchesi JC, Pereira-Smith OM. J Biol Chem. 2002 Dec 27;277(52):50860-6. PMID: 12397079