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Goat anti-MRG15 / MORF4L1, Biotinylated Antibody

Peptide-affinity purified goat antibody
Catalog # AF4360a

Specification

Goat anti-MRG15 / MORF4L1, Biotinylated Antibody - Product Information

Application	**WB, Pep-ELISA**
Primary Accession	Q9UBU8
Other Accession	NP_006782.1, NP_996670.1
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**41474**

Goat anti-MRG15 / MORF4L1, Biotinylated Antibody - Additional Information

Gene ID 10933

Other Names
MORF4L1; mortality factor 4 like 1; Eaf3; FWP006; HsT17725; MEAF3; MORFRG15; MRG15; S863-6; Esa1p-associated factor 3 homolog; MORF-related gene 15 protein; MORF-related gene on chromosome 15; protein MSL3-1; transcription factor-like protein MRG15

Dilution
WB~~1:1000
Pep-ELISA~~N/A

Format
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

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

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
Goat anti-MRG15 / MORF4L1, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-MRG15 / MORF4L1, Biotinylated Antibody - 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.

Goat anti-MRG15 / MORF4L1, Biotinylated Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat anti-MRG15 / MORF4L1, Biotinylated Antibody - Images