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Goat Anti-MRGX Antibody

Peptide-affinity purified goat antibody
Catalog # AF1682a

Specification

Goat Anti-MRGX Antibody - Product Information

Application	**WB, E**
Primary Accession	Q15014
Other Accession	NP_036418, 9643, 56397 (mouse)
Reactivity	**Human**
Predicted	**Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**32308**

Goat Anti-MRGX Antibody - 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

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, 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
Goat Anti-MRGX Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-MRGX Antibody - 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.

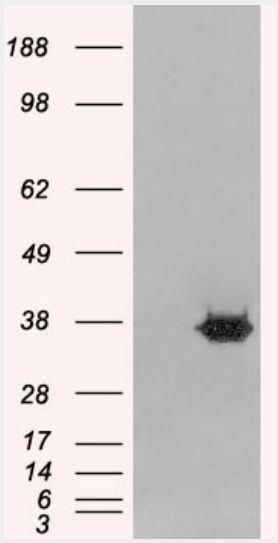
Cellular Location
Nucleus.

Goat Anti-MRGX 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-MRGX Antibody - Images



HEK293 overexpressing MORF4L2 (RC210566) and probed with AF1682a (mock transfection in first lane), tested by Origene.

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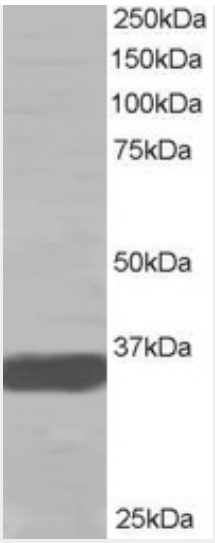

AF1682a staining (0.2 µg/ml) of A431 lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-MRGX Antibody - References

Single-cell transcription site activation predicts chemotherapy response in human colorectal tumors. Pezo RC, et al. Cancer Res, 2008 Jul 1. PMID 18593893.
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Transcriptome analysis of human gastric cancer. Oh JH, et al. Mamm Genome, 2005 Dec. PMID 16341674.
A mammalian chromatin remodeling complex with similarities to the yeast INO80 complex. Jin J, et al. J Biol Chem, 2005 Dec 16. PMID 16230350.