

Morf4I1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12817**Specification**

Morf4I1 antibody - middle region - Product Information

Application	WB
Primary Accession	P60762
Other Accession	NM_001039147 , NP_001034236
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Zebrafish, Pig, Horse, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 41kDa KDa

Morf4I1 antibody - middle region - Additional Information**Gene ID** 21761**Alias Symbol** KIAA4002, MGC102415, MGC103105, MGC118047, MORFRG15, MRG15, TEG-189, Tex189, mKIAA4002**Other Names**

Mortality factor 4-like protein 1, MORF-related gene 15 protein, Testis-expressed gene 189 protein, Transcription factor-like protein MRG15, Morf4I1, Mrg15, Tex189

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Morf4I1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Morf4I1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Morf4I1 antibody - middle region - Protein Information**Name** Morf4I1**Synonyms** Mrg15, Tex189**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. 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. 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

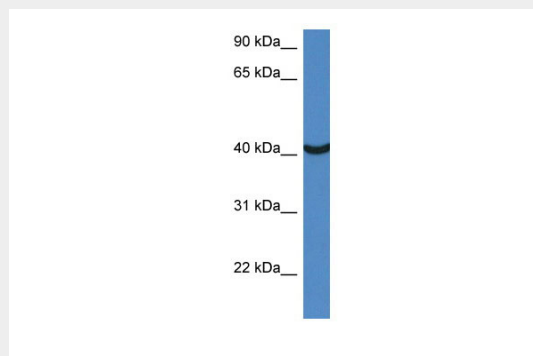
Nucleus {ECO:0000250|UniProtKB:Q9UBU8}.

Morf4I1 antibody - middle region - 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](#)

Morf4I1 antibody - middle region - Images



WB Suggested Anti-Morf4I1 Antibody Titration: 1.0 µg/ml

Positive Control: Mouse Small Intestine