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Morf4l1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12817

Product Information

Application	WB
Primary Accession	P60762
Other Accession	NM_001039147, NP_001034236
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Zebrafish, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41493

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, Morf4l1, 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-Morf4l1 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	Morf4l1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

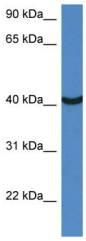
Protein Information

Name	Morf4l1
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}.

Images



WB Suggested Anti-Morf4l1 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Small Intestine