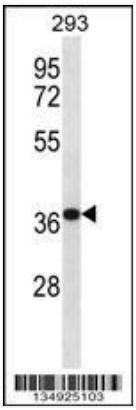
MORF4L2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MORF4L2, Polyclonal Antibody
Full Product Name	MORF4L2, CT (MORF4L2, KIAA0026, MRGX, Mortality factor 4-like protein 2, MORF-related gene X protein, Protein MSL3-2, Transcription factor-like protein MRGX) (Azide free) (HRP)
Product Gene Name	anti-MORF4L2 antibody
Product Synonym Names	MORF4L2; KIAA0026; MRGX; Mortality factor 4-like protein 2; MORF-related gene X protein; Protein MSL3-2; Transcription factor-like protein MRGX
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	300409
3D Structure	ModBase 3D Structure for Q15014
Immunogen	MORF4L2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 258-288 amino acids from the C-terminal region of human MORF4L2.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-MORF4L2 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-MORF4L2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-MORF4L2 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MORF4L2 antibody	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 component of the MSIN3A complex which acts to repress transcription by deacetylation of nucleosomal histones.

Product References and Citations for anti-MORF4L2 antibody	Pezo, R.C., et al. Cancer Res. 68(13):4977-4982(2008). Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007): Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005). Cai, Y., et al. J. Biol. Chem. 280(14):13665-13670(2005). Tominaga, K., et al. J. Biol. Chem. 278(49):49618-49624(2003).
Other Notes	Small volumes of anti-MORF4L2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MORF4L2 purchase	MBS6321706 is an antibody targeting MORF4L2. Also known as MORF4L2, CT (MORF4L2, KIAA0026, MRGX, Mortality factor 4-like protein 2, MORF-related gene X protein, Protein MSL3-2, Transcription factor-like protein MRGX) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MORF4L2 antibody
MORF4L2 Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the MORF4L2 antibody detected the MORF4L2 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MORF4L2. It may not necessarily be applicable to this product.

NCBI GI #	215490043
NCBI GeneID	9643
NCBI Accession #	NP_001135901.1
NCBI Related Accession #	NP_001135891.1; NP_001135898.1
UniProt Primary Accession #	Q15014
UniProt Related Accession #	Q15014
GenBank Nucleotide #	NP_001135901.1
NCBI Official Full Name	mortality factor 4-like protein 2
NCBI Official Synonym Full Names	mortality factor 4 like 2
NCBI Official Symbol	MORF4L2
NCBI Official Synonym Symbols	MRGX; MORFL2
UniProt Protein Name	Mortality factor 4-like protein 2
UniProt Synonym Protein Names	MORF-related gene X protein; Protein MSL3-2; Transcription factor-like protein MRGX
Protein Family	Mortality factor 4-like protein
UniProt Gene Name	MORF4L2
UniProt Synonym Gene Names	KIAA0026; MRGX
UniProt Entry Name	MO4L2_HUMAN

NCBI Protein Information	mortality factor 4-like protein 2
UniProt Comments for MORF4L2	MORF4L2: 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 component of the MSIN3A complex which acts to repress transcription by deacetylation of nucleosomal histones. Chromosomal Location of Human Ortholog: Xq22 Cellular Component: nucleoplasm; nucleolus Molecular Function: protein binding Biological Process: establishment and/or maintenance of chromatin architecture; transcription, DNA-dependent; regulation of growth; positive regulation of transcription from RNA polymerase II promoter; positive regulation of striated muscle cell differentiation; chromatin modification; DNA repair
Research Articles on MORF4L2	**1.** Suberoylanilide hydroxamic acid enhanced the expression of malignant genes such as MORF4L2 in lung cancer cells remaining after treatment, creating a more drug-resistant state.
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