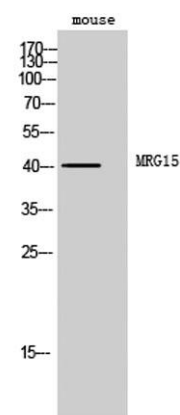


MRG15 rabbit pAb**Cat#: orb767447 (Manual)**

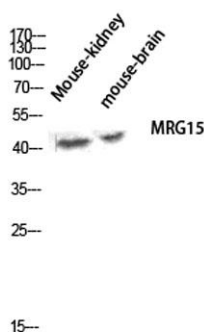
For research use only. Not intended for diagnostic use.

Product Name	MRG15 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MORF4L1. AA range:31-80
Specificity	MRG15 Polyclonal Antibody detects endogenous levels of MRG15 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Mortality factor 4-like protein 1
Gene Name	MORF4L1
Cellular localization	Nucleus.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

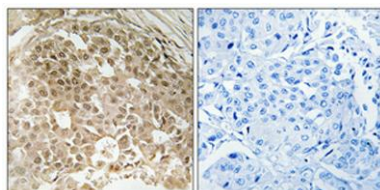
Concentration	1 mg/ml
Observed band	41kD
Human Gene ID	10933
Human Swiss-Prot Number	Q9UBU8
Alternative Names	MORF4L1; MRG15; FWP006; HSPC008; HSPC061; PP368; Mortality factor 4-like protein 1; MORF-related gene 15 protein; Protein MSL3-1; Transcription factor-like protein MRG15
Background	<p>function:Component 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. Also component of the mSin3A complex which acts to repress transcription by deacetylation of nucleosomal histones.,similarity:Belongs to the MRG family.,subunit:Component of the NuA4 histone acetyltransferase complex which contains the catalytic subunit HTATIP/TIP60 and the subunits EP400, TRRAP/PAF400, BRD8/SMAP, EPC1, DMAP1/DNMAP1, RUVBL1/TIP49, RUVBL2, ING3, actin, ACTL6A/BAF53A, MORF4L1/MRG15, MORF4L2/MRGX, MRGBP, YEATS4/GAS41, VPS72/YL1 and EAF6. The NuA4 complex interacts with MYC and the adenovirus E1A protein. MORF4L1 may also participate in the formation of NuA4 related complexes which lack the HTATIP/TIP60 catalytic subunit, but which include the SWI/SNF related protein SRCAP. Component of the mSin3A histone deacetylase complex, which includes SIN3A, HDAC2, ARID4B, MORF4L1, RBBP4/RbAp48, and RBBP7/RbAp46. MORF4L1 interacts with RB1 and MYST1. MORF4L1 may also interact with PHF12 and one or more as yet undefined members of the TLE (transducin-like enhancer of split) family of transcriptional repressors. Interacts with the N-terminus of MRFAP1. Found in a complex composed of MORF4L1, MRFAP1 and RB1.,</p>



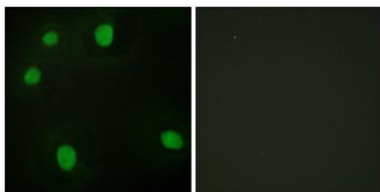
Western Blot analysis of mouse cells using MRG15 Polyclonal Antibody diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Western blot analysis of Mouse-kidney mouse-brain lysis using MRG15 antibody. Antibody was diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of HepG2 cells, using MORF4L1 Antibody. The picture on the right is blocked with the synthesized peptide.