



# MRG15 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-01876
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	MORF4L1
<b>Protein Name</b>	Mortality factor 4-like protein 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MORF4L1. AA range:31-80
<b>Specificity</b>	MRG15 Polyclonal Antibody detects endogenous levels of MRG15 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	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.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	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
<b>Observed Band</b>	41kD
<b>Cell Pathway</b>	Nucleus.
<b>Tissue Specificity</b>	Aorta,Brain,Kidney,Lung,PCR rescued clones,Skin,Testis,Umbilical cord blood
<b>Function</b>	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



## Background

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## matters needing attention

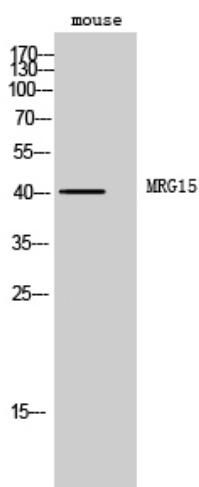
Avoid repeated freezing and thawing!

## Usage suggestions

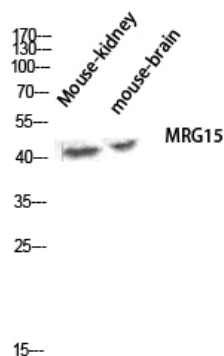
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



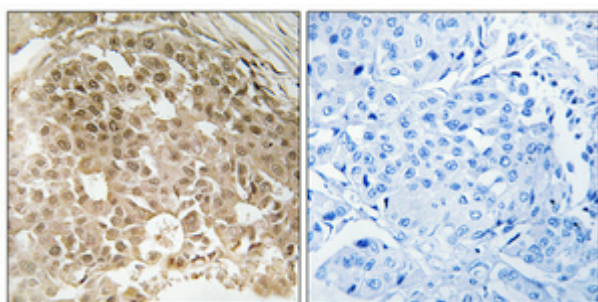
## Products Images



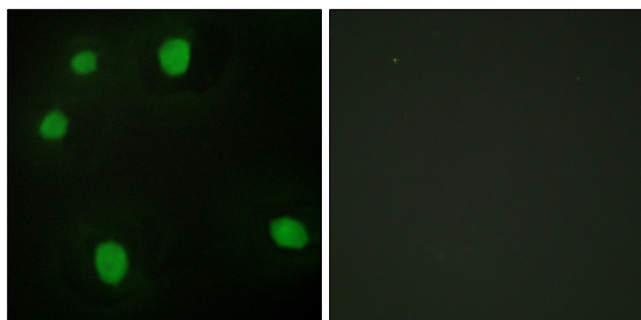
Western Blot analysis of mouse cells using MRG15 Polyclonal Antibody diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



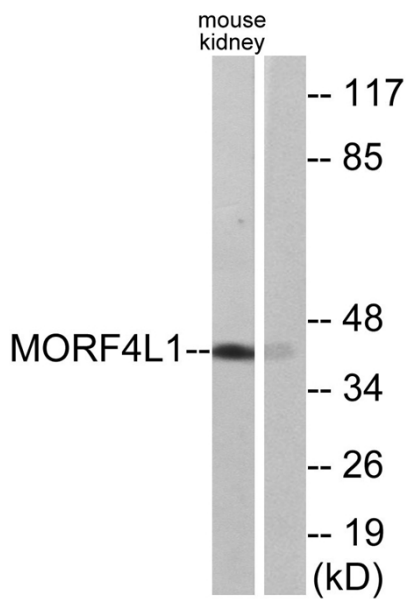
Western blot analysis of Mouse-kidney mouse-brain lysis using MRG15 antibody. Antibody was diluted at 1:500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



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.



Western blot analysis of lysates from mouse kidney cells, using MORF4L1 Antibody. The lane on the right is blocked with the synthesized peptide.