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# Datasheet for ABIN6263328 anti-MORF4L1 antibody (N-Term)

3 Images



#### Overview

Quantity:	100 μL
Target:	MORF4L1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MORF4L1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

# Product Details

Immunogen:	A synthesized peptide derived from human MORF4L1, corresponding to a region within N- terminal amino acids.
Isotype:	lgG
Specificity:	MORF4L1 Antibody detects endogenous levels of total MORF4L1.
Predicted Reactivity:	Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).
Target Details	

Target:

MORF4L1

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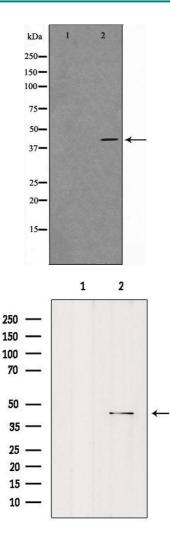
Alternative Name:	MORF4L1 (MORF4L1 Products)
Background:	Description: Component of the NuA4 histone acetyltransferase (HAT) complex which is
	involved in transcriptional activation of select genes principally by acetylation of nucleosomal
	histones H4 and H2A. This modification may both alter nucleosome - 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. 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.
	Gene: MORF4L1
Molecular Weight:	41kDa
Gene ID:	10933
UniProt:	Q9UBU8
Pathways:	Chromatin Binding
Application Details	
Application Notes:	WB 1:500-1:2000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
	1 mg/mL
Concentration:	
Concentration: Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 $\%$
	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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## Handling

	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Images



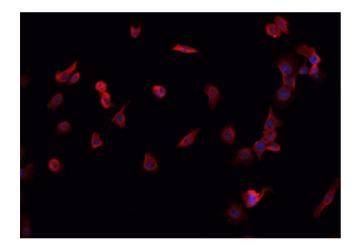
### Western Blotting

**Image 1.** Western blot analysis on COS7 cell lysate using MORF4L1 Antibody,The lane on the left is treated with the antigen-specific peptide.

#### **Western Blotting**

**Image 2.** Western blot analysis of extracts from rat brain, using MORF4L1 Antibody. Lane 1 was treated with the antigen-specific peptide.

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### Immunofluorescence (fixed cells)

**Image 3.** ABIN6266863 staining K-562 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibody.

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