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Datasheet for ABIN6144136
anti-MTF2 antibody (AA 1-190)

2 Images

Overview

Quantity:	100 µL
Target:	MTF2
Binding Specificity:	AA 1-190
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTF2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-190 of human MTF2 (NP_001157864.1).
Sequence:	MRDSTGAGNS LVHKRSPLRR NQKTPTSLTK LSLQDGHKAK KPACKFEEGQ DVLARWSDGL FYLGTIKKIN ILKQSCFIIF EDSSKSWVLW KDIQTGATGS GEMVCTICQE EYSEAPNEMV ICDKCGQGYH QLCHTPHIDS SVIDSDEKWL CRQCVFATTT KRGGALKKGP NAKALQVMKQ TLPYSVADLE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MTF2
Alternative Name:	MTF2 (MTF2 Products)
Background:	<p>Polycomb group (PcG) protein that specifically binds histone H3 trimethylated at 'Lys-36' (H3K36me3 and recruits the PRC2 complex, thus enhancing PRC2 H3K27me3 methylation activity. Regulates the transcriptional networks during embryonic stem cell self-renewal and differentiation (By similarity. Promotes recruitment of the PRC2 complex to the inactive X chromosome in differentiating XX ES cells and PRC2 recruitment to target genes in undifferentiated ES cells (By similarity. Required to repress Hox genes by enhancing H3K27me3 methylation of the PRC2 complex (By similarity. In some conditions may act as an inhibitor of PRC2 activity: able to activate the CDKN2A gene and promote cellular senescence by suppressing the catalytic activity of the PRC2 complex locally (By similarity. Binds to the metal-regulating-element (MRE of MT1A gene promoter (By similarity. MTF2, M96, PCL2, TDRD19A, dJ976O13.2, Epigenetics & Nuclear Signaling, Transcription Factors, Chromatin Remodeling, MTF2</p>
Molecular Weight:	29 kDa/55 kDa/60 kDa/67 kDa
Gene ID:	22823
UniProt:	Q9Y483
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	WB, 1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

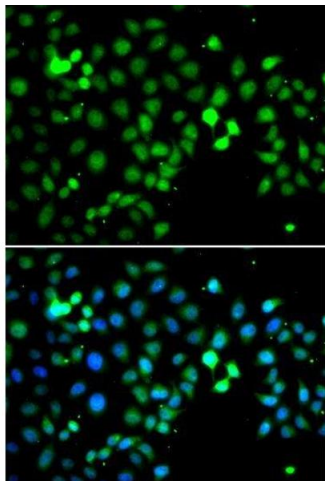
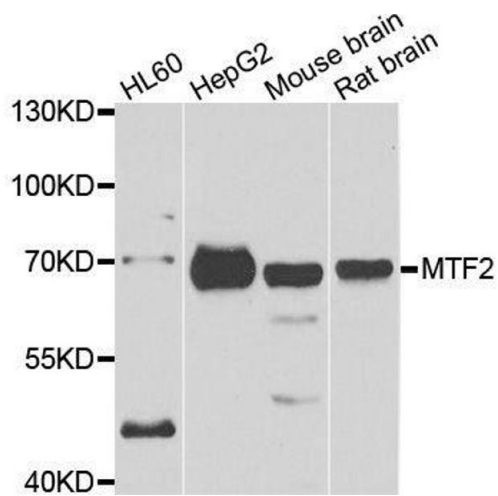
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MTF2 antibody.

Immunofluorescence

Image 2. Immunofluorescence analysis of A549 cells using MTF2 antibody.