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Datasheet for ABIN7116220 **anti-MTF2 antibody**

Overview

Quantity:	100 µg
Target:	MTF2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTF2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	metal response element binding transcription factor 2
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	MTF2
Alternative Name:	MTF2 (MTF2 Products)
Background:	Synonyms:hPCI2, M96, MTF2, PCL2, Polycomb like protein 2, RP5 976013.1 Background:Polycomb group(PcG) that specifically binds histone H3 trimethylated at 'Lys-36'(H3K36me3) and recruits the PRC2 complex. Acts by binding to H3K36me3, a mark for

Target Details

transcriptional activation, and recruiting the PRC2 complex, leading to enhance PRC2 H3K27me3 methylation activity. Regulates the transcriptional networks during embryonic stem cell self-renewal and differentiation. 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. Required to repress Hox genes by enhancing H3K27me3 methylation of the PRC2 complex. 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. Binds to the metal-regulating-element(MRE) of MT1A gene promoter(By similarity).

Molecular Weight: 60-61 kDa

Gene ID: 22823

UniProt: [Q9Y483](#)

Pathways: [Stem Cell Maintenance](#)

Application Details

Application Notes: WB: 1:500-1:1000, IP: 1:200-1:1000, IHC: 1:20-1:200, IF: 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 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

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months