

MTF2 antibody

Product Information

Catalog No.:	FNab05397
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

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 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).

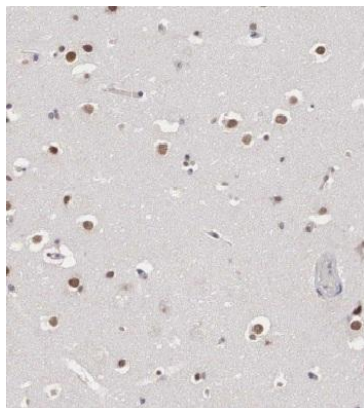
Immunogen information

Immunogen:	metal response element binding transcription factor 2
Synonyms:	Metal-response element-binding transcription factor 2 Metal regulatory transcription factor 2 Metal-response element DNA-binding protein M96 Polycomb-like protein 2 (hPC12) MTF2 PCL2
Observed MW:	60-61 kDa
Uniprot ID :	Q9Y483

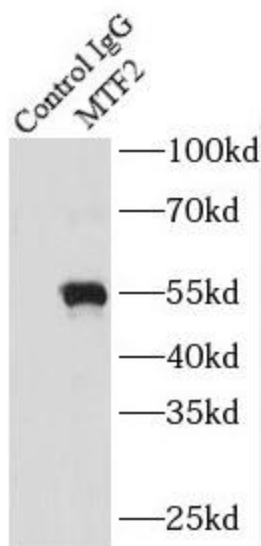
Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF, IP
Recommended dilution:	WB: 1:500-1:1000; IP: 1:200-1:1000; IHC: 1:20-1:200; IF: 1:50-1:200

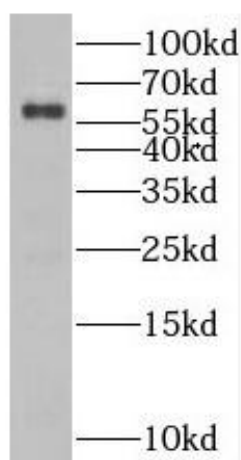
Image:



Immunohistochemistry of paraffin-embedded human brain using FNab05397(MTF2 antibody) at dilution of 1:50



IP Result of anti-MTF2 (IP:FNab05397, 4ug; Detection:FNab05397 1:300) with mouse skeletal muscle tissue lysate 4000ug.



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab05397(MTF2 antibody) at dilution of 1:600