

Datasheet for ABIN1680913
anti-MTA2 antibody (AA 60-180)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MTA2
Binding Specificity:	AA 60-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 60-180 of human MTA2 (NP_004730.2).
Sequence:	DSNAREFEEE SKQPGVSEQQ RHQLKHRELF LSRQFESLPA THIRGKCSVT LLNETDILSQ YLEKEDCFFY SLVFDPVQKT LLADQGEIRV GCKYQAEIPD RLVEGESDNR NQQKMEMKVW D
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MTA2
Alternative Name:	MTA2 (MTA2 Products)

Target Details

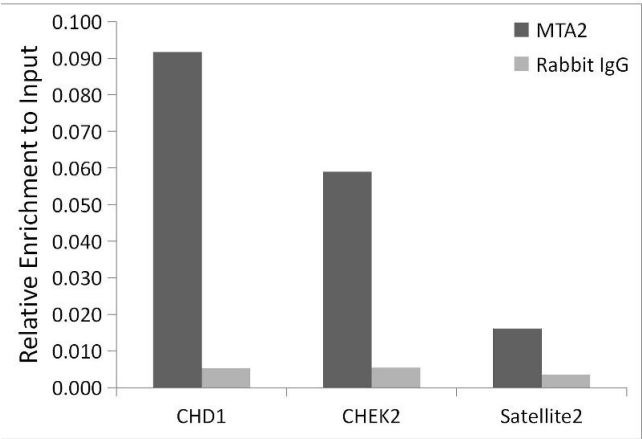
Background:	<p>This gene encodes a protein that has been identified as a component of NuRD, a nucleosome remodeling deacetylase complex identified in the nucleus of human cells. It shows a very broad expression pattern and is strongly expressed in many tissues. It may represent one member of a small gene family that encode different but related proteins involved either directly or indirectly in transcriptional regulation. Their indirect effects on transcriptional regulation may include chromatin remodeling. It is closely related to another member of this family, a protein that has been correlated with the metastatic potential of certain carcinomas. These two proteins are so closely related that they share the same types of domains. These domains include two DNA binding domains, a dimerization domain, and a domain commonly found in proteins that methylate DNA. One of the proteins known to be a target protein for this gene product is p53. Deacetylation of p53 is correlated with a loss of growth inhibition in transformed cells supporting a connection between these gene family members and metastasis.,MTA2,MTA1L1,PID,Epigenetics & Nuclear Signaling,Chromatin Remodeling,MTA2</p>
Molecular Weight:	55 kDa/75 kDa
Gene ID:	9219
UniProt:	O94776
Pathways:	Chromatin Binding

Application Details

Application Notes:	WB,1:500 - 1:2000,ChIP,1:50 - 1:200
Restrictions:	For Research Use only

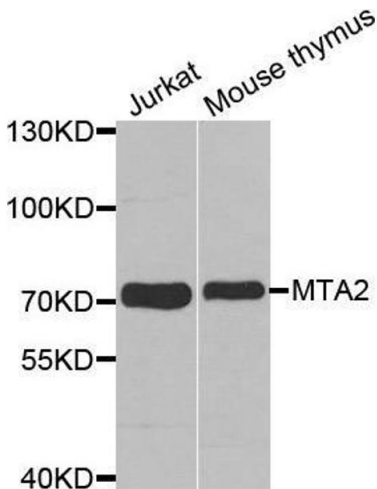
Handling

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



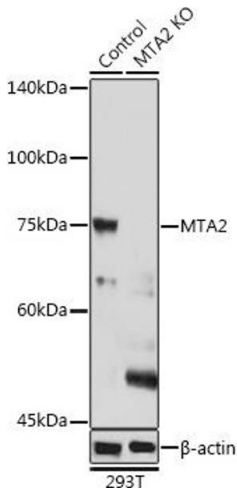
Chromatin Immunoprecipitation

Image 1. Chromatin immunoprecipitation analysis of extracts of HeLa cells, using MT antibody (243) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MTA2 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of 293T cells, using MT antibody (243) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.