

Datasheet for ABIN390610  
**anti-MTA2 antibody (C-Term)**

## 3 Images

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## Overview

Quantity:	400 µL
Target:	MTA2
Binding Specificity:	AA 516-544, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	This PID/MTA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 516-544 amino acids from the C-terminal region of human PID/MTA2.
Clone:	RB20031
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	MTA2
Alternative Name:	PID/MTA2 ( <a href="#">MTA2 Products</a> )

## Target Details

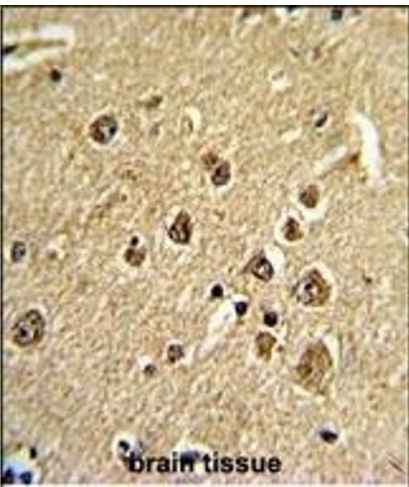
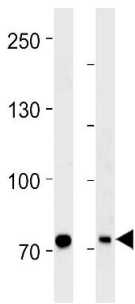
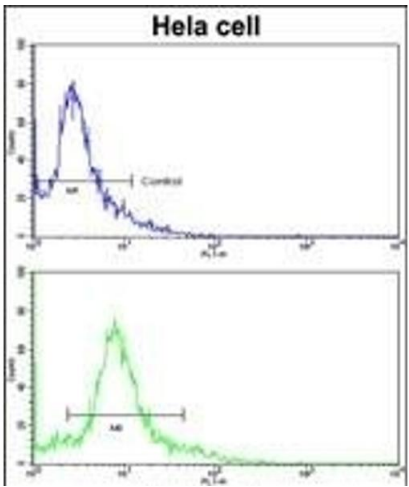
Background:	MTA2 is a protein that has been identified as a component of NuRD, a nucleosome remodeling deacetylase complex identified in the nucleus of human cells. It shows a very broad expression pattern and is strongly expressed in many tissues. It may represent one member of a small family of different 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.
Molecular Weight:	75023
Gene ID:	9219
NCBI Accession:	<a href="#">NP_004730</a>
UniProt:	<a href="#">O94776</a>
Pathways:	<a href="#">Chromatin Binding</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.



### Flow Cytometry

**Image 1.** Flow cytometric analysis of hela cells using PID/MTA2 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** PID/MTA2 Antibody (C-term) (ABIN390610 and ABIN2840922) western blot analysis in Hela cell line and mouse brain tissue lysates (35 µg/lane). This demonstrates the PID/MTA2 antibody detected the PID/MTA2 protein (arrow).

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin-embedded human brain tissue reacted with PID/MTA2 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.