Datasheet for ABIN1881556

anti-MTA1 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	MTA1
Binding Specificity:	AA 659-687, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This MTA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 659-687 amino acids from the C-terminal region of human MTA1.
Clone:	RB40949
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MTA1
Alternative Name:	MTA1 (MTA1 Products)

Target Details

Background:	This gene encodes a protein that was identified in a screen for genes expressed in metastatic cells, specifically, mammary adenocarcinoma cell lines. Expression of this gene has been correlated with the metastatic potential of at least two types of carcinomas although it is also expressed in many normal tissues. The role it plays in metastasis is unclear. It was initially thought to be the 70kD component of a nucleosome remodeling deacetylase complex, NuRD, but it is more likely that this component is a different but very similar protein. These two proteins are so closely related, though, 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. The profile and activity of this gene product suggest that it is involved in regulating transcription and that this may be accomplished by chromatin remodeling. [provided by RefSeq].
Molecular Weight:	80786
NCBI Accession:	NP_001190187, NP_004680
UniProt:	Q13330
Pathways:	Chromatin Binding

Application Details

Application Notes:	WB: 1:1000
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
Expiry Date:	6 months

Publications

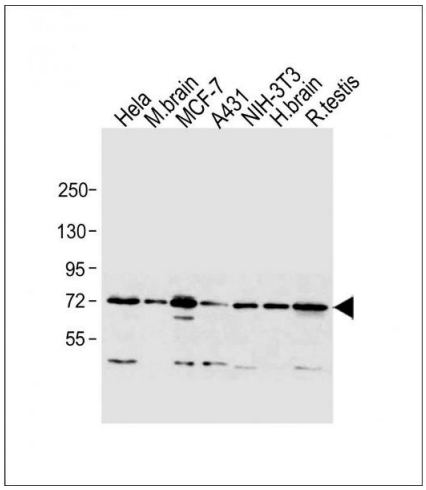
Product cited in:	Akpa, Oyejola: "Modeling the transmission dynamics of HIV/AIDS epidemics: an introduction

Publications

and a review." in: **Journal of infection in developing countries**, Vol. 4, Issue 10, pp. 597-608, (2010) (PubMed).

Kladney, Cardiff, Kwiatkowski, Chiang, Weber, Arbeit, Lu: "Tuberous sclerosis complex 1: an epithelial tumor suppressor essential to prevent spontaneous prostate cancer in aged mice." in: **Cancer research**, Vol. 70, Issue 21, pp. 8937-47, (2010) (PubMed).

Images



Western Blotting

Image 1. All lanes : Anti-MTA1 Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: mouse brain lysate Lane 3: MCF-7 whole cell lysate Lane 4: A431 whole cell lysate Lane 5: NIH-3T3 whole cell lysate Lane 6: human brain lysate Lane 7: rat testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 81 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.