Datasheet for ABIN265128

anti-MTA2 antibody (AA 652-668)

1 Image

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Overview

Quantity:	0.1 mg
Target:	MTA2
Binding Specificity:	AA 652-668
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Rabbit polyclonal PID antibody was raised against a synthetic peptide corresponding to amino acids 652 to 668 of human PID/MTA2 (6), which differ from the mouse sequence by one amino acid (7).
Isotype:	IgG
Specificity:	This antibody reacts to MTA2 / PID. No cross response to MTA1.
Purification:	Purified

Target Details

Target:	MTA2
Alternative Name:	MTA2 (MTA2 Products)

Target Details

Background:	The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 pathway, including Chk2 , p53R2 (2), p53AIP1 (3), Noxa (4), PIDD (5), and PID/MTA2 (6), were recently discovered. The transcriptional activity of p53 is modulated by protein stability and acetylation. PID/MTA2, also termed MTA1-L1, was found to be a subunit of nucleosome remodeling and deacetylating (NRD/NuRD) complex (6 - 8). PID/MTA2 modulates the enzymatic activity of the histone deacetylase complex and its expression reduces the levels of acetylated p53. Deacetylation of p53 by PID/MTA2 represses p53-dependent transcriptional activation and modulates p53-mediated cell growth arrest and apoptosis (6). PID/MTA2 is ubiquitously expressed in human tissues (8).Synonyms: MTA1-L1, MTA1L1, Metastasis-associated 1-like 1, Metastasis-associated protein MTA2, PID, p53 target protein in deacetylase complex
Gene ID:	9219
NCBI Accession:	NP_004730
UniProt:	O94776
Pathways:	Chromatin Binding

Application Details

Application Notes:	Western Blot: 0.5 to 1 µg/mL, a 75 kDa band can be detected. Tissue Expression: Widely expressed, located in the nucleus. Positive Control: HeLa cell lysate. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	Phosphate buffered saline with 0.02 % 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20 °C only.

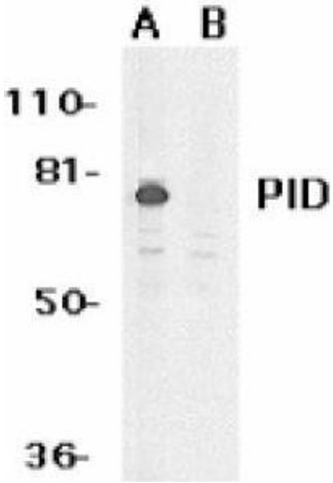

Image 1.