Datasheet for ABIN6990369

anti-MTA2 antibody (C-Term)

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Overview

Quantity:	0.1 mg
Target:	MTA2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MTA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	PID antibody was raised against a 17 amino acid peptide near the carboxy terminus of human PID. The immunogen is located within the last 50 amino acids of PID.
Isotype:	IgG
Specificity:	PID antibody is predicted to not cross-react with MTA2
Purification:	PID Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	MTA2
Alternative Name:	PID (MTA2 Products)

Target Details

Background:	PID Antibody: The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 pathway, including Chk2, p53R2, p53AIP1, Noxa, PIDD, and PID/MTA2, 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. 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. PID/MTA2 is ubiquitously expressed in human tissues.
Molecular Weight:	Predicted: 73 kDa Observed: 75 kDa
Gene ID:	9219
UniProt:	O94776
Pathways:	Chromatin Binding

Application Details

Application Notes:	PID antibody can be used for detection of PID by Western blot at 1 µ,g/mL. Antibody can also be used for immunocytochemistry starting at 10 µ,g/mL and Immunohistochemistry starting at 2.5 µ,g/mL. For immunofluorescence start at 10 µ,g/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PID Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	PID antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.