

Anti-PID MTA2 Antibody

Catalog Number: A03073

About MTA2

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.

Overview

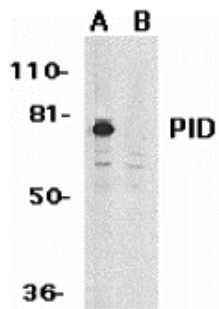
Product Name	Anti-PID MTA2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PID MTA2 Antibody (Catalog # A03073). Tested in ELISA, WB, ICC, IF, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, ICC, WB
Clonality	Polyclonal
Formulation	PID Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PID antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O94776

Technical Details

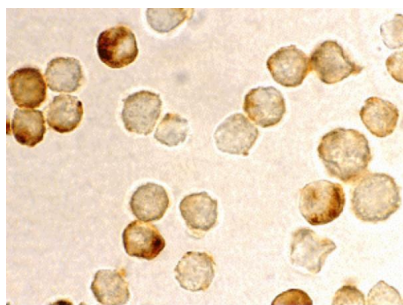
Immunogen	PID antibody was raised against a 17 amino acid peptide near the carboxy terminus of human PID. The immunogen is located within the last 50 amino acids of PID.
Predicted Reactive Species	Bovine
Cross Reactivity	PID antibody is predicted to not cross-react with MTA2
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	PID Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	<p>PID antibody can be used for detection of PID by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL and Immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 10 ug/mL.</p> <p>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. Optimal dilutions for each application should be determined by the researcher.</p>

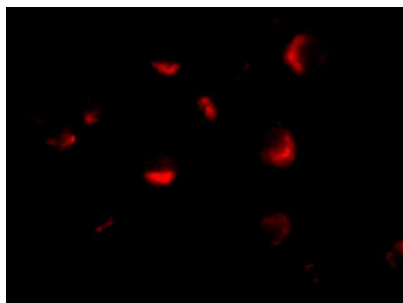
Anti-PID MTA2 Antibody (A03073) Images



Western blot analysis of PID expression in HeLa whole cell lysates in the absence (A) or presence (B) of blocking peptide with PID antibody at 1 ug/mL.



Immunocytochemistry staining of HeLa using PID antibody at 10 ug/mL.



Immunofluorescence of PID in HeLa cells with PID antibody at 10 ug/mL.



Immunohistochemistry of PID in human small intestine tissue with PID antibody at 2.5 ug/ml.

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