

## Product datasheet for **TA306072**

### MTA2 Rabbit Polyclonal Antibody

#### Product data:

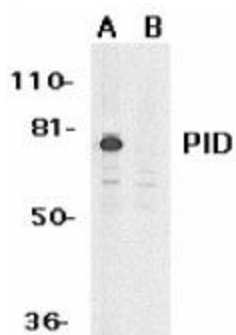
Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 10 ug/mL, IF: 10 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	PID antibody was raised against a synthetic peptide corresponding to amino acids 652 to 668 of human PID (6), which differ from the mouse sequence by one amino acid (7) .
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Antibody is DEAE purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	metastasis associated 1 family member 2
Database Link:	<a href="#">AAG02241</a> <a href="#">Entrez Gene 9219 Human</a> <a href="#">O94776</a>

**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).

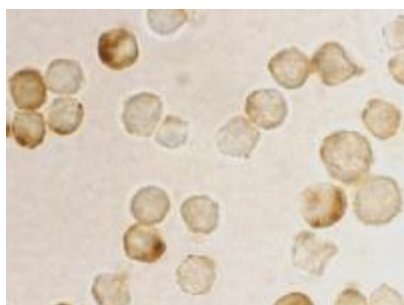

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Synonyms: MTA1L1; PID

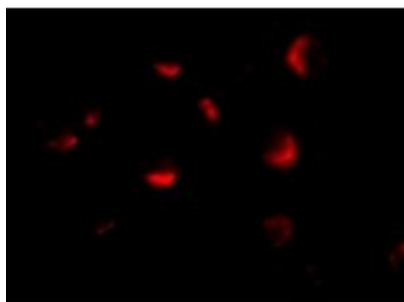
## Product images:



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.