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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PID/MTA2 (Metastasis associated protein MTA2). Rabbit Polyclonal Antibody
p53 target protein in deacetylase complex/MTA1L1

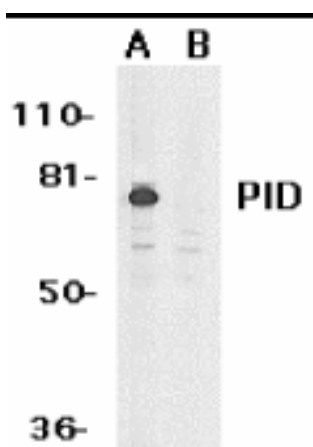
BACKGROUND

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).

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).

Western blot analysis of PID/MTA2 expression in HeLa whole cell lysates in the absence (A) or presence (B) of blocking peptide with PID antibody at 1 µg/ml..



ORDERING INFORMATION

CATALOG NUMBER

X1797P

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Rabbit

FORMULATION

Provided as solution in phosphate buffered saline with 0.02% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG

APPLICATIONS

Western Blot, Immunohistochemistry

SPECIES REACTIVITY

Human, Mouse, Rat

ACCESSION NUMBER

Human O94776

POSITIVE CONTROL/TISSUE EXPRESSION

Widely expressed, located in the nucleus. Positive Control; HeLa cell lysate

COMMENTS

PID/MTA2 antibody can be used for detection of PID/MTA2 by Western blot at 0.5 to 1ug/ml. HeLa cell lysate can be used as positive control and a 75 kDa band can be detected. It is human, mouse, and rat reactive and has no cross response to MTA1.

PURIFICATION

Antigen Immunoaffinity Purification

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

- 1) Matsuoka S, Huang M, Elledge SJ. Linkage of ATM to cell cycle regulation by the Chk2 protein kinase. *Science*. 1998;282:1893-7.
- 2) Tanaka H, Arakawa H, Yamaguchi T, Shiraishi K, Fukuda S, Matsui K, Takei Y, Nakamura Y. A ribonucleotide reductase gene involved in a p53-dependent cell-cycle checkpoint for DNA damage. *Nature*. 2000;404:42-9.
- 3) Oda E, Ohki R, Murasawa H, Nemoto J, Shibue T, Yamashita T, Tokino T, Taniguchi T, Tanaka N. Noxa, a BH3-only member of the Bcl-2 family and candidate mediator of p53-induced apoptosis. *Science*. 2000;288(5468):1053-8.
- 4) Oda K, Arakawa H, Tanaka T, Matsuda K, Tanikawa C, Mori T, Nishimori H, Tamai K, Tokino T, Nakamura Y, Taya Y. p53AIP1, a potential mediator of p53-dependent apoptosis, and its regulation by Ser-46-phosphorylated p53. *Cell*. 2000 Sep 15;102(6):849-62.

PRODUCT SPECIFIC REFERENCES