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Anti-MTBP (IN2)
Polyclonal Antibody

CATALOG No.: PX214A SIZE: 100 µg
PX214B SIZE: 0.5 mg

BACKGROUND:

The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 network, including Chk2 (1), p53R2 (2), p53AIP1 (3), Noxa (4), PIDD (5), PID/MTA2 (6) and MTBP (7), were recently discovered. The transcriptional activity of p53 is modulated by posttranslational regulations of the p53 protein including stabilization and acetylation. P53 transcriptionally activates MDM2 gene then the translated MDM2 protein binds to p53 and promotes the degradation of p53 leading to lowering the concentration of p53 protein. MDM2 inhibits both p53 mediated G_1 arrest and apoptosis. A recently discovered protein termed MTBP was found to bind to MDM2 and to inhibit the modulation effect of MDM2 on p53 (7). MTBP is expressed in a variety of normal tissues (7).

SOURCE:

Rabbit anti-MTBP polyclonal antibody was raised against a synthetic peptide (GAVECFEEEDSNSRES LS) corresponding to amino acids 122 to 139 of human MTBP, which differ from the mouse sequence by three amino acids (7).

APPLICATION:

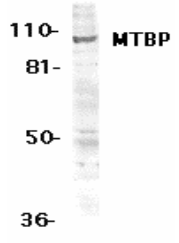
This antibody can be used for detection of MTBP by Western blot at 0.5 to 1 µg/ml. K562 cell lysate can be used as positive control and a 104 kDa band can be detected.

STORAGE:

It is supplied as immunoaffinity purified IgG, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.

RELATED PRODUCTS:

Blocking peptide, 50 µg at 200 µg/ml, is available for competition studies. K562 cell lysate, 100 µg at 2 mg/ml, is available for positive control.



Western blot analysis of MTBP expression in K562 whole cell lysates with anti-MTBP at 1 µg /ml.

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CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.

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