

MTBP Antibody

Catalog No: #24140

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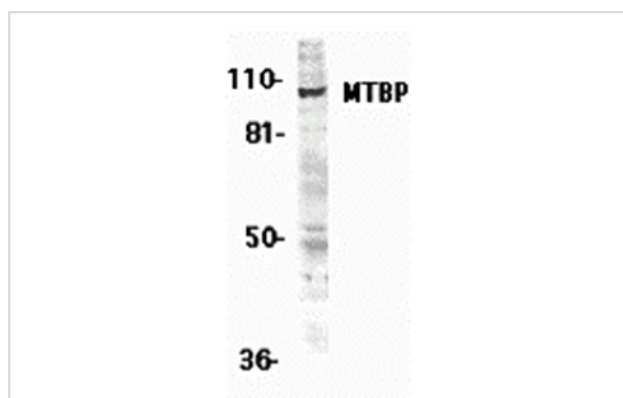
Description

Product Name	MTBP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to amino acids 122 to 139 of human MTBP, which differ from the mouse sequence by three amino acids.
Target Name	MTBP
Other Names	MTBP
Accession No.	Swiss-Prot:Q96DY7Gene ID:27085
Uniprot	Q96DY7
GeneID	27085;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

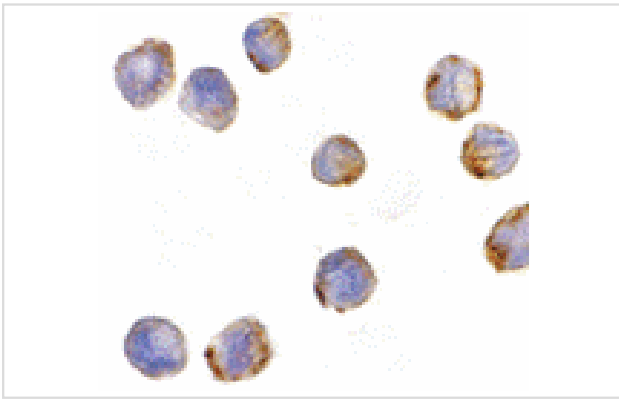
Application Details

Predicted MW: 104 kd

Images



Western blot analysis of MTBP expression in K562 whole cell lysates with MTBP antibody at 1 ug /ml.



Immunocytochemistry of MTBP in K562 cells with MTBP antibody at 5 ug/mL.

Background

The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 network, including Chk2, p53R2, p53AIP1, Noxa, PIDD, PID/MTA2 and MTBP, 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 G1 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. MTBP is expressed in a variety of normal tissues.

Note: This product is for in vitro research use only