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MTBP Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6657b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q96DY7
Other Accession	Q8BJS8
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB20020
Calculated MW	102193
Antigen Region	853-881

Additional Information

Gene ID	27085
Other Names	Mdm2-binding protein, hMTBP, MTBP
Target/Specificity	This MTBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 853-881 amino acids from the C-terminal region of human MTBP.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MTBP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MTBP
Function	Inhibits cell migration in vitro and suppresses the invasive behavior of tumor cells (By similarity). May play a role in MDM2- dependent p53/TP53

homeostasis in unstressed cells. Inhibits autoubiquitination of MDM2, thereby enhancing MDM2 stability. This promotes MDM2-mediated ubiquitination of p53/TP53 and its subsequent degradation.

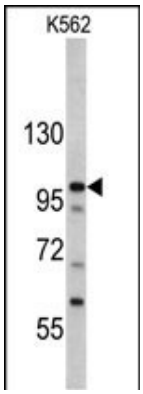
Background

MTBP inhibits cell migration in vitro and suppresses the invasive behavior of tumor cells. The protein may play a role in MDM2-dependent TP53/p53 homeostasis in unstressed cells. The protein inhibits autoubiquitination of MDM2, thereby enhancing MDM2 stability. This promotes MDM2-mediated ubiquitination of TP53/p53 and its subsequent degradation.

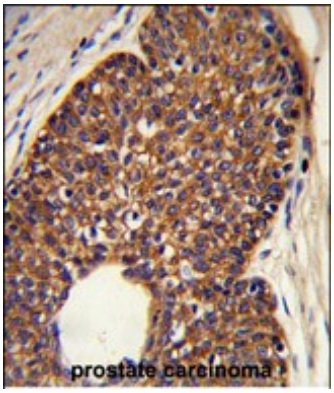
References

Brady,M., Mol. Cell. Biol. 25 (2), 545-553 (2005)
Boyd,M.T., J. Biol. Chem. 275 (41), 31883-31890 (2000)

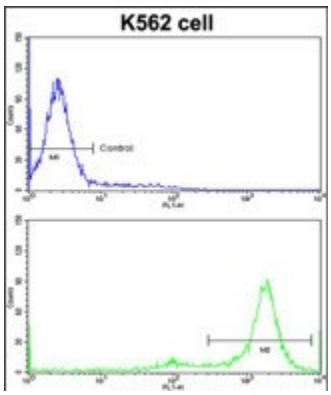
Images



Western blot analysis of MTBP antibody (C-term) (Cat. #AP6657b) in K562 cell line lysates (35ug/lane). MTBP (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human prostate carcinoma reacted with MTBP Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of K562 cells using MTBP Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram)FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.