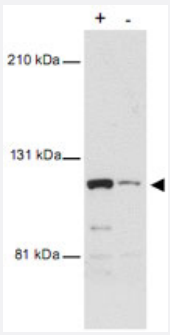
MTBP monoclonal antibody, clone PHL-1

Catalog # MAB1995 Size 100 uL

Applications



Western Blot (Transfected lysate)

Western blot using MTBP monoclonal antibody, clone PHL-1 (Cat # MAB1995) shows detection of aband ~110 KDa corresponding to human MTBP (arrowhead).
Lanes represent human 293 cell lysates with (+) and without (-) transfection with a full-length human expression MTBP construct.
The transfected cell extract was diluted 30 fold in extract lacking transfected MTBP.
Proteins were separated bySDS-PAGE and transferred onto PDVF membrane. After blocking, the membrane was probed with the primary antibody diluted to 1 : 500 for 2h at roomtemperature followed by detection usinga Lumi-Light Plus Western Blotting Kit.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant MTBP.
Immunogen	Recombinant 6XHis fusion protein corresponding to amino acids 667-812 of human MTBP.
Host	Mouse
Reactivity	Chimpanzee, Human
Specificity	This antibody is directed against human MTBP protein. The product was produced from clarified mo use ascetic fluid.
Form	Liquid
Isotype	IgG1, kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.

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Recommend Usage	ELISA (1:2000-1:20000) Western Blot (1:200-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Transfected lysate)

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Gene Info — MTBP

Entrez GeneID	27085
Protein Accession#	Q96DY7;NP_071328
Gene Name	MTBP
Gene Alias	MDM2BP
Gene Description	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse) binding protein, 104k Da
Omim ID	605927
Gene Ontology	Hyperlink
Gene Summary	Mdm2
Other Designations	MDM2 (mouse double minute 2)-binding protein, 104kD|Mdm2, transformed 3T3 cell double minu te 2, p53 binding protein binding protein

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Publication Reference

- Regulation of p53 and MDM2 activity by MTBP.

  Brady M, Vlatkovic N, Boyd MT.

  Molecular and Cellular Biochemistry 2005 Jan; 25(2):545.

  Application: WB, Human, Mouse, H1299, MCF-7 cells, MEFs

- A novel cellular protein (MTBP) binds to MDM2 and induces a G1 arrest that is suppressed by MDM2.

  Boyd MT, Vlatkovic N, Haines DS.

  The Journal of Biological Chemistry 2000 Oct; 275(41):31883.

- Assignment of the MDM2 binding protein gene (MTBP) to human chromosome band 8q24 by in situ hybridization.

  Boyd MT, Zimonjic DB, Popescu NC, Athwal R, Haines DS.

  Cytogenetics and Cell Genetics 2000 May; 90(1-2):64.

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