abcam

Product datasheet

PTIP overexpression 293T lysate (whole cell) ab94247

2 图像

概述

产品名称	PTIP overexpression 293T裂解物(whole cell)
常规说明	ab94247 is a 293T cell transfected lysate in which Human PTIP has been transiently over-expressed using a pCMV-PTIP plasmid. The lysate is provided in 1X Sample Buffer.
经测试应用	**适用于:** WB

性能

Mycoplasma free	Yes
形式	Liquid
存放说明	Shipped on dry ice. Upon delivery aliquot and store at -20ºC. Avoid freeze / thaw cycles.
存储溶液	Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol (glycerin, glycerine)
背景	Function: Involved in DNA damage response and in transcriptional regulation through histone methyltransferase (HMT) complexes. Plays a role in early development. In DNA damage response is required for cell survival after ionizing radiation. In vitro shown to be involved in the homologous recombination mechanism for the repair of double-strand breaks (DSBs). Its localization to DNA damage foci requires RNF8 and UBE2N. Recruits TP53BP1 to DNA damage foci and, at least in particular repair processes, effective DNA damage response appears to require the association with TP53BP1 phosphorylated by ATM at 'Ser-25'. Together with TP53BP1 regulates ATM association. Recruits PA1 to sites of DNA damage and the PA1:PAXIP1 complex is required for cell survival in response to DNA damage; the function is probbaly independent of MLL-containing histone methyltransferase (HMT) complexes. Promotes ubiquitination of PCNA following UV irradiation and may regulate recruitment of polymerase eta and RAD51 to chromatin after DNA damage. Proposed to be involved in transcriptional regulation by linking MLL-containing histone methyltransferase (HMT) complexes to gene promoters by interacting with promoter-bound transcription factors such as PAX2. Associates with gene promoters that are known to be regulated by MLL2. During immunoglobulin class switching in activated B cells is involved in trimethylation of histone H3 at 'Lys-4' and in transcription initiation of downstream switch regions at the immunoglobulin heavy-chain (Igh) locus; this function appears to involve the recruitment of MLL-containing HMT complexes. Similarity: Contains 6 BRCT domains. Domain: The BRCT 5 and 6 domains function as a single module and are necessary and sufficient for in vitro phospho-specific binding (substrates phosphorylated by the kinases ataxia telangiectasia-mutated (ATM), ataxia telangiectasia and RAD3-related (ATR) in response to gamma irradiation). In contrast, in

vivo two pairs of BRCT domains (3-6) bind to phosphorylated TP53BP1 much more efficiently.

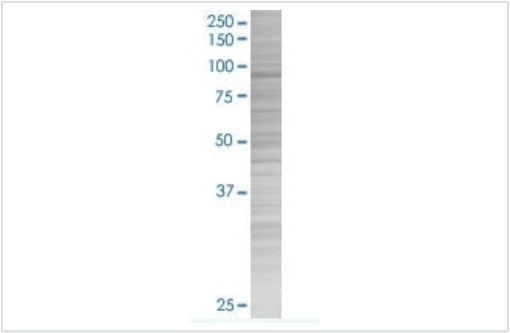
应用

The Abpromise guarantee **Abpromise™承诺保证使用ab94247于以下的经测试应用**

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

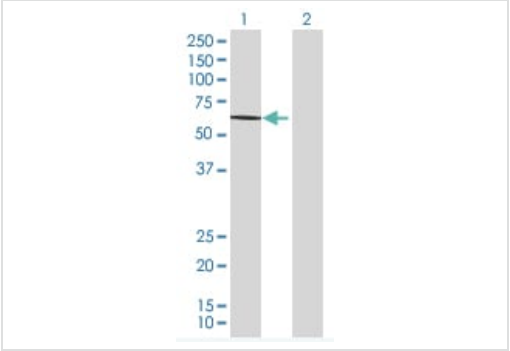
应用	Ab评论	说明
WB		Use at an assay dependent dilution.

图片



SDS-PAGE - PTIP overexpression 293T lysate (whole cell) (ab94247)

ab94247 at 15µg/lane on an SDS-PAGE gel.



Western blot - PTIP overexpression 293T lysate (whole cell) (ab94247)

All lanes : Anti-PTIP antibody (**ab56934**) at 1/500 dilution

Lane 1 : PTIP overexpression 293T lysate (whole cell) (ab94247)
Lane 2 : 293T non-transfected lysate

Lysates/proteins at 25 µg per lane.

Secondary
All lanes : Goat Anti-mouse IgG (H and L) HRP conjugated at 1/2500 dilution

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