abcam

Product datasheet

SNF2H overexpression 293T lysate (whole cell) ab94304

2 Images

Overview

Product name	SNF2H overexpression 293T lysate (whole cell)
General notes	ab94304 is a 293T cell transfected lysate in which Human SNF2H has been transiently over-expressed using a pCMV-SNF2H plasmid. The lysate is provided in 1X Sample Buffer. **Note:** For more detailed how the transfected lysate was prepared **view preparation notes**
Tested applications	**Suitable for:** WB

Properties

Mycoplasma free	Yes
Form	Liquid
Storage instructions	Shipped on dry ice. Upon delivery aliquot and store at -20ºC. Avoid freeze / thaw cycles.
Storage buffer	Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol (glycerin, glycerine)
Background	Function: Helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity. Complexes containing SMARCA5 are capable of forming ordered nucleosome arrays on chromatin; this may require intact histone H4 tails. Also required for replication of pericentric heterochromatin in S-phase specifically in conjunction with BAZ1A. Probably plays a role in repression of poll dependent transcription of the rDNA locus, through the recruitment of the SIN3/HDAC1 corepressor complex to the rDNA promoter. Essential component of the WICH complex, a chromatin remodeling complex that mobilizes nucleosomes and reconfigures irregular chromatin to a regular nucleosomal array structure. The WICH complex regulates the transcription of various genes, has a role in RNA polymerase I and RNA polymerase III transcription, mediates the histone H2AX phosphorylation at 'Tyr-142', and is involved in the maintenance of chromatin structures during DNA replication processes. Essential component of the NoRC (nucleolar remodeling complex) complex, a complex that mediates silencing of a fraction of rDNA by recruiting histone-modifying enzymes and DNA methyltransferases, leading to heterochromatin formation and transcriptional silencing. Tissue specificity: Ubiquitously expressed. Similarity: Belongs to the SNF2/RAD54 helicase family. ISWI subfamily. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain. Contains 2 SANT domains. Developmental stage: Overexpressed in CD34-positive erythrocyte progenitor cells in acute myeloid leukemia. Down-regulation correlates with hematologic remission following chemotherapy.

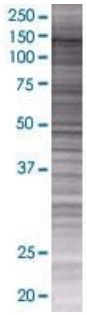
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab94304 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

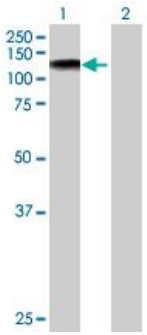
Application	Abreviews	Notes
WB		Use at an assay dependent dilution.

Images



SDS-PAGE - SNF2H overexpression 293T lysate (whole cell) (ab94304)

ab94304 at 15µg/lane on an SDS-PAGE gel



Western blot - SNF2H overexpression 293T lysate (whole cell) (ab94304)

All lanes : Anti-SNF2H antibody (**ab76459**) at 1/500 dilution

Lane 1 : SNF2H overexpression 293T lysate (whole cell) (ab94304)
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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