abcam

Product datasheet

Anti-SNF2H antibody ab123662

1 Image

Overview

Product name	Anti-SNF2H antibody
Description	Rabbit polyclonal to SNF2H
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide conjugated to KLH, corresponding to N terminal amino acids 61-91 of Human SNF2H (NP_003592.2).
Positive control	SK-BR-3 cell line lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Purification notes	ab123662 is purified through a protein A column, followed by peptide affinity purification.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab123662 in the following tested applications.

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

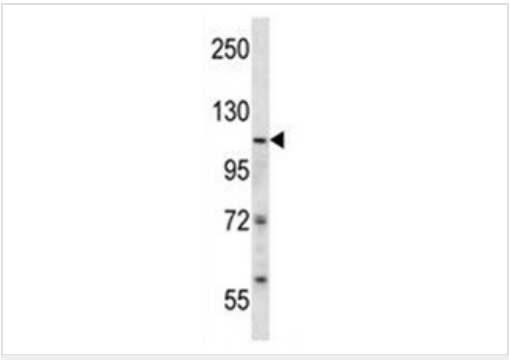
Application	Abreviews	Notes
WB		1/100 - 1/500. Predicted molecular weight: 122 kDa.

Target

Target

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.
Sequence similarities	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.
Cellular localization	Nucleus.

Images



Western blot - Anti-SNF2H antibody (ab123662)

Anti-SNF2H antibody (ab123662) at 1/100 dilution + SK-BR-3 cell line lysates at 35 µg

Predicted band size: 122 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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