


Product datasheet

Anti-HLTF antibody ab17984

★★★★☆ [2 Abreviews](#) [13 References](#) [2 Images](#)

Overview

Product name	Anti-HLTF antibody
Description	Rabbit polyclonal to HLTF
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Guinea pig, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Platypus 
Immunogen	Synthetic peptide corresponding to HLTF aa 600-700. Database link: 6596
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7 Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
Purity	Immunogen affinity purified
Purification notes	Antibody was affinity purified using an epitope specific to SMARCA3 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab17984 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		1/3000 - 1/10000. Detects a band of approximately 125 kDa (predicted molecular weight: 114 kDa).

Target

Function

Has both helicase and E3 ubiquitin ligase activities. Possesses intrinsic ATP-dependent nucleosome-remodeling activity; This activity may be required for transcriptional activation or repression of specific target promoters (By similarity). These may include the SERPINE1 and HIV-1 promoters and the SV40 enhancer, to which this protein can bind directly. Plays a role in error-free postreplication repair (PRR) of damaged DNA and maintains genomic stability through acting as a ubiquitin ligase for 'Lys-63'-linked polyubiquitination of chromatin-bound PCNA.

Tissue specificity

Expressed in brain, heart, kidney, liver, lung, pancreas, placenta and skeletal muscle.

Pathway

Protein modification; protein ubiquitination.

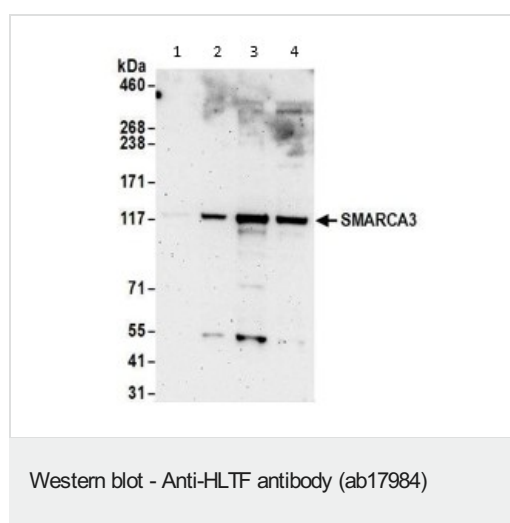
Sequence similarities

Belongs to the SNF2/RAD54 helicase family. RAD16 subfamily.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.
Contains 1 RING-type zinc finger.

Cellular localization

Cytoplasm. Nucleus. Nucleus, nucleolus. Nucleus, nucleoplasm. Nuclear localization is stimulated by progesterone.

Images



All lanes : Anti-HLTF antibody (ab17984) at 0.5 µg/ml

Lane 1 : NIH 3T3 whole cell lysate

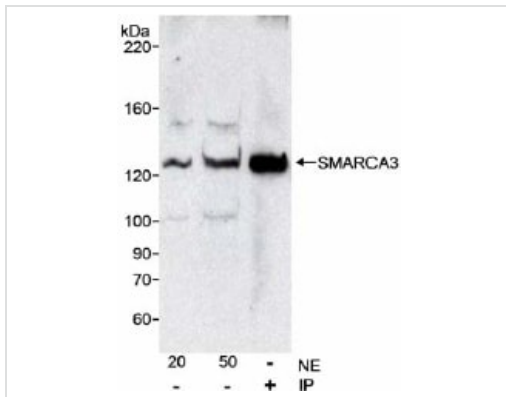
Lane 2 : TCMK-1 whole cell lysate

Lane 3 : 4T1 whole cell lysate

Lane 4 : CT26.WT whole cell lysate

Lysates/proteins at 50 µg per lane.

Predicted band size: 114 kDa



Western blot - Anti-HLTF antibody (ab17984)

Detection of SMARCA3 by western blot and immunoprecipitation.

Lane 1: 20 µg of HeLa nuclear extract

Lane 2: 50 µg of HeLa nuclear extract

Lane 3: 1 mg of HeLa nuclear extract immunoprecipitated by anti-SMARCA3 (ab17984), used at 4 µg/mg of lysate.

Anti-SMARCA3 (ab17984) was used for western blot analysis at 1/5,000.

Detection: chemiluminescence with an exposure time of 4 minutes.

Detection of SMARCA3 by western blot and immunoprecipitation.

Lane 1: 20 µg of HeLa nuclear extract

Lane 2: 50 µg of HeLa nuclear extract

Lane 3: 1 mg of HeLa nuclear extract immunoprecipitated by anti-SMARCA3 (ab17984), used at 4 µg/mg of lysate.

Anti-SMARCA3 (**ab179**)

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