

Product datasheet

Anti-HLTF antibody [EPR14761] - BSA and Azide free ab250652


KO VALIDATED

Recombinant

RabMAb

6 Images

Overview

Product name	Anti-HLTF antibody [EPR14761] - BSA and Azide free
Description	Rabbit monoclonal [EPR14761] to HLTF - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250652 is the carrier-free version of ab183042.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14761
Isotype	IgG

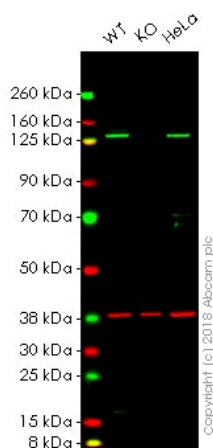
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250652 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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 114 kDa (predicted molecular weight: 114 kDa).
ICC/IF		Use at an assay dependent concentration.

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.



Western blot - Anti-HLTF antibody [EPR14761] - BSA and Azide free (ab250652)

All lanes : Anti-HLTF antibody [EPR14761] ([ab183042](#)) at 1 µg

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : HLTF knockout HAP1 whole cell lysate

Lane 3 : HeLa whole cell lysate

Lysates/proteins at 20 µg per lane.

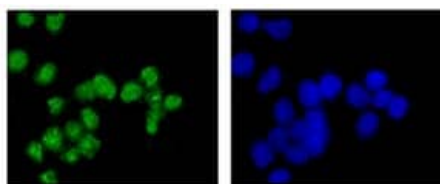
Predicted band size: 114 kDa

Observed band size: 113 kDa

This data was developed using [ab183042](#), the same antibody clone in a different buffer formulation.

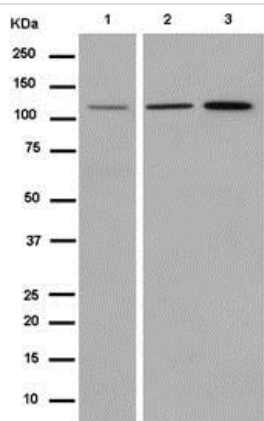
Lanes 1 - 3: Merged signal (red and green). Green - [ab183042](#) observed at 113 kDa. Red - loading control, [ab9484](#), observed at 37 kDa.

[ab183042](#) was shown to specifically react with HLTF in wild-type HAP1 cells as signal was lost in HLTF knockout cells. Wild-type and HLTF knockout samples were subjected to SDS-PAGE. [ab183042](#) and [ab9484](#) (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1 µg/ml and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed [ab216773](#) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed [ab216776](#) secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Immunocytochemistry/ Immunofluorescence - Anti-HLTF antibody [EPR14761] - BSA and Azide free (ab250652)

This data was developed using [ab183042](#), the same antibody clone in a different buffer formulation. Immunofluorescent analysis of Jurkat cells (-20°C Acetone-fixed) labeling HLTF with [ab183042](#) at 1/100 dilution followed by Goat anti rabbit IgG (AlexaFluor® 488) secondary at 1/200 dilution and counter-stained with DAPI (blue).



Western blot - Anti-HLTF antibody [EPR14761] - BSA and Azide free (ab250652)

All lanes : Anti-HLTF antibody [EPR14761] ([ab183042](#)) at 1/50000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : K562 lysate

Lane 3 : Jurkat lysate

Lysates/proteins at 10 µg per lane.

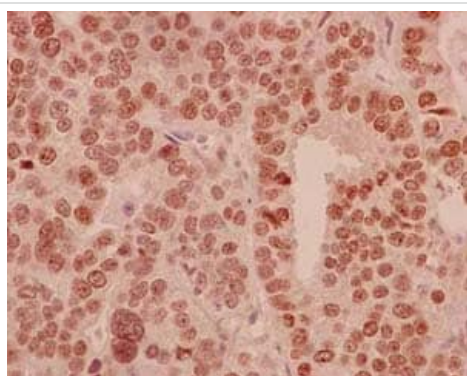
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

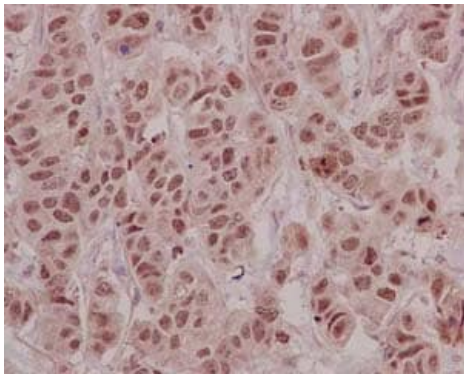
Predicted band size: 114 kDa

This data was developed using [ab183042](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HLTF antibody [EPR14761] - BSA and Azide free (ab250652)

This data was developed using [ab183042](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human ovarian carcinoma tissue labeling HLTF with [ab183042](#) at 1/100 dilution followed by pre-diluted HRP-conjugated secondary antibody and counter-stained with Hematoxylin. Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HLTF antibody [EPR14761] - BSA and Azide free (ab250652)

This data was developed using [ab183042](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human infiltrating duct carcinoma of breast tissue labeling HLTF with [ab183042](#) at 1/100 dilution followed by pre-diluted HRP-conjugated secondary antibody and counter-stained with Hematoxylin. Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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