Product datasheet

Anti-HLTF Antibody

Catalog Number: *PB1124*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-HLTF Antibody
Gene Name	HLTF
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, ICC/IF, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human HLTF recombinant protein (Position: S911-L1009). Human HLTF shares 92.9% amino acid (aa) sequence identity with mouse HLTF.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	114 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400 Flow Cytometry (Fixed): 1:50-200

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Helicase-like transcription factor is an enzyme that in humans is encoded by the HLTF gene. This gene encodes a member of the SWI/SNF family. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein contains a RING finger DNA binding motif. Two transcript variants encoding the same protein have been found for this gene. However, use of an alternative translation start site produces an isoform that is truncated at the N-terminus compared to the full-length protein.

Selected Validation Data

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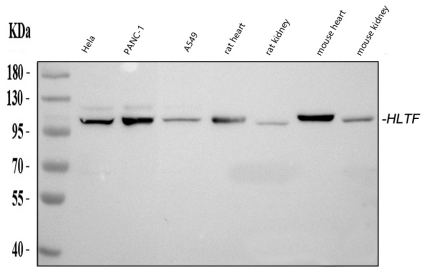
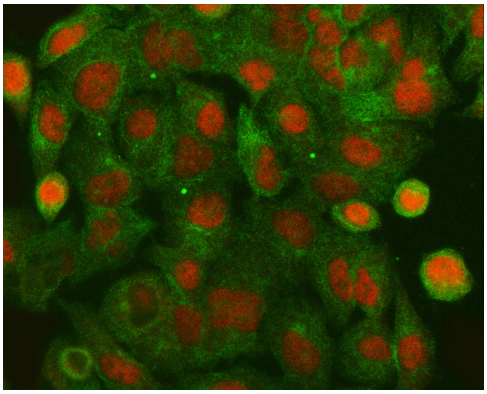
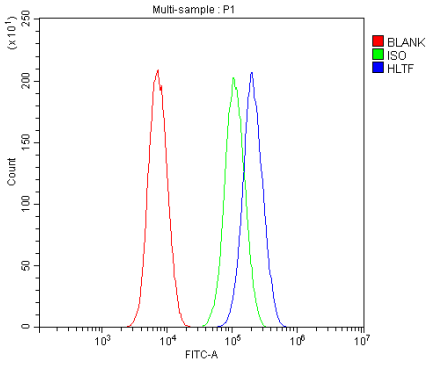


Western blot analysis of HLTF using anti-HLTF antibody (PB1124). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human PANC-1 whole cell lysates,
Lane 3: human A549 whole cell lysates,
Lane 4: rat heart tissue lysates,
Lane 5: rat kidney tissue lysates,
Lane 6: mouse heart tissue lysates,
Lane 7: mouse kidney tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-HLTF antigen affinity purified polyclonal antibody (PB1124) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for HLTF at approximately 114 kDa. The expected band size for HLTF is at 114 kDa.



IF analysis of HLTF using anti-HLTF antibody (PB1124) and anti-Alpha Tubulin antibody (M03989-3).
HLTF was detected in an immunocytochemical section of A549 cells. The section was incubated with rabbit anti-HLTF Antibody (PB1124) at a dilution of 1:100. Cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1032) and Dylight488-conjugated Anti-mouse IgG Secondary Antibody (Green) (Catalog # BA1126) were used as secondary antibody.



Flow Cytometry analysis of Caco-2 cells using anti-HLTF antibody (PB1124).
Overlay histogram showing Caco-2 cells stained with PB1124 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-HLTF Antibody (PB1124) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype

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control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.