Datasheet for ABIN4886619

anti-HLTF antibody (AA 911-1009)

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Overview

Quantity:	100 µg
Target:	HLTF
Binding Specificity:	AA 911-1009
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HLTF antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-HLTF Antibody Picoband®
Immunogen:	E. coli-derived human HLTF recombinant protein (Position: S911-L1009). Human HLTF shares 92.9% amino acid (aa) sequence identity with mouse HLTF.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-HLTF Antibody Picoband® (ABIN4886619). Tested in Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	HLTF
Alternative Name:	HLTF (HLTF Products)
Background:	Synonyms: Helicase-like transcription factor,3.6.4.-,6.3.2.-,DNA-binding protein/plasminogen activator inhibitor 1 regulator,HIP116,RING finger protein 80,SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 3,Sucrose nonfermenting protein 2-like 3,HLTF,HIP116A, RNF80, SMARCA3, SNF2L3, ZBU1, Tissue Specificity: Expressed in brain, heart, kidney, liver, lung, pancreas, placenta and skeletal muscle. . Background: 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.
Molecular Weight:	114 kDa
Gene ID:	6596
UniProt:	Q14527

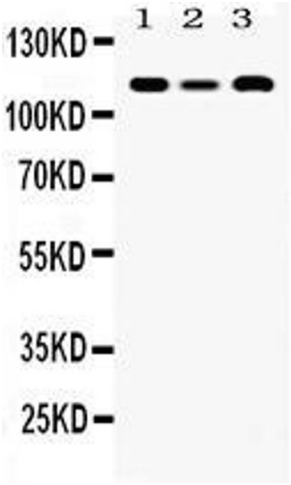
Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Lin Y, Sheridan PL, Jones KA, Evans GA (Nov 1995). "The HIP116 SNF2/SW12-related transcription factor gene (SNF2L3) is located on human chromosome 3q25.1-q26.1".Genomics 27 (2): 381-2. 2. Unk I, Hajdú I, Blastyák A, Haracska L (Jan 2010). "Role of yeast Rad5 and its human orthologs, HLTF and SHPRH in DNA damage tolerance". DNA Repair (Amst) 9 (3): 257-67.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of HLTF expression in rat cardiac muscle extract (Lane 1), mouse spleen extract (Lane 2) and human placenta extract (Lane 3). HLTF at 114KD was detected using rabbit anti- HLTF Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).