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Anti-HLTF Picoband Antibody

Catalog # ABO11688

Specification

Anti-HLTF Picoband Antibody - Product Information

Application	**WB**
Primary Accession	Q14527
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Helicase-like transcription factor(HLTF) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-HLTF Picoband Antibody - Additional Information

Gene ID 6596

Other Names
Helicase-like transcription factor, 2.3.2.27, 3.6.4.-, DNA-binding protein/plasminogen activator inhibitor 1 regulator, HIP116, RING finger protein 80, RING-type E3 ubiquitin transferase HLTF, 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

Calculated MW
113929 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

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

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

Protein Name
Helicase-like transcription factor

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E. coli-derived human HLTF recombinant protein (Position: S911-L1009). Human HLTF shares

92.9% amino acid (aa) sequence identity with mouse HLTF.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-HLTF Picoband Antibody - Protein Information

Name HLTF

Synonyms HIP116A, RNF80, SMARCA3, SNF2L3, ZBU1

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.

Cellular Location
Cytoplasm. Nucleus. Nucleus, nucleolus Nucleus, nucleoplasm. Note=Nuclear localization is stimulated by progesterone.

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

Anti-HLTF Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HLTF Picoband Antibody - Images

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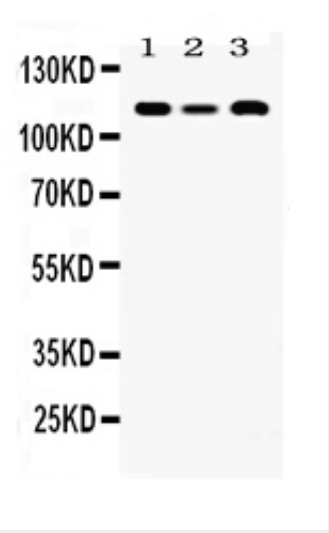

Western blot analysis of HLTF expression in rat cardiac muscle extract (lane 1), mouse spleen extract (lane 2) and human placenta extract (lane 3). HLTF at 114KD was detected using rabbit anti- HLTF Antigen Affinity purified polyclonal antibody (Catalog # ABO11688) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-HLTF Picoband Antibody - 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.