

**Anti-HLTF Picoband Antibody**  
Catalog # ABO11688**Specification****Anti-HLTF Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q14527</a>
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 Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**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**

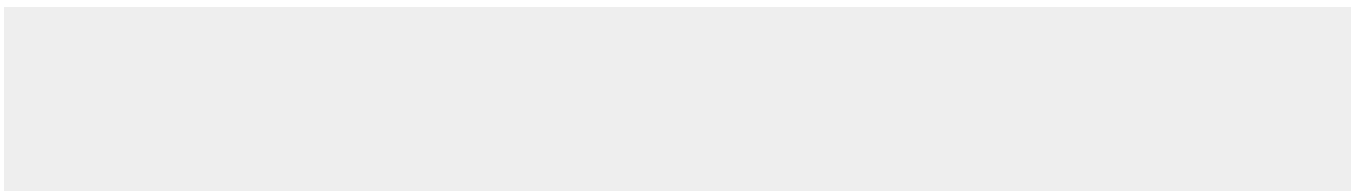
Expressed in brain, heart, kidney, liver, lung, pancreas, placenta and skeletal muscle.

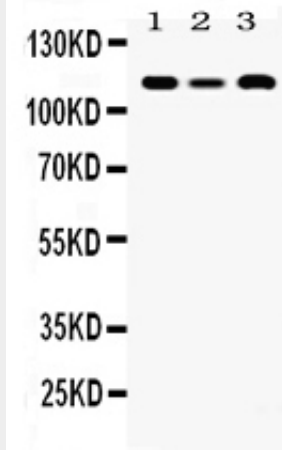
### **Anti-HLTF Picoband Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Anti-HLTF Picoband Antibody - Images**





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  $\mu$ 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.