

Datasheet for ABIN7600390  
**anti-PHTF1 antibody (AA 188-430)**



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## Overview

Quantity:	100 µg
Target:	PHTF1
Binding Specificity:	AA 188-430
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHTF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-PHTF1 Antibody Picoband®
Immunogen:	E.coli-derived human PHTF1 recombinant protein (Position: I188-Q430).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PHTF1 Antibody Picoband® (ABIN7600390). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. 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:	PHTF1
Alternative Name:	PHTF1 ( <a href="#">PHTF1 Products</a> )
Background:	<p>Synonyms: Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h, Histone H3/l, Histone H3/j, Histone H3/k, Histone H3/l, HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J, H3FJ</p> <p>Tissue Specificity: Expressed in fetal brain, fetal lung, fetal liver, heart, brain, placenta, lung, liver, muscle, kidney and pancreas.</p> <p>Background: HTF1 (putative homeodomain transcription factor 1), also known as PHTF, is a potential transcription regulator. It is a ubiquitously expressed integral, multipass membrane protein with predominant expression in testis. PHTF1 is associated with the ER (endoplasmic reticulum) and contains one bHLH (basic helix-loop-helix) domain. It is present in the cell during meiosis and spermiogenesis but, by the end of spermiogenesis, is released from the mature cell within the residual bodies. This implies that PHTF1 may play a role in the spermatozoa maturation process. In addition, PHTF1 is believed to interact with FEM1B and may be responsible for recruiting FEM1B to the surface of the ER membrane. This suggests that PHTF1 acts as a sequestering or anchoring protein for FEM1B. Two PHTF1 isoforms exist due to alternate splicing events. Isoform 2 is the shorter form and lacks the amino acid residues 648 to 762.</p>
Molecular Weight:	100 kDa
Gene ID:	10745

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Manuel, A., Beaupain, D., Romeo, P. H., Raich, N. Molecular characterization of a novel gene family (PHTF) conserved from Drosophila to mammals. Genomics 64: 216-220, 2000. 2. Raich, N., Mattei, M. G., Romeo, P. H., Beaupain, D. PHTF, a novel atypical homeobox gene on chromosome 1p13, is evolutionarily conserved. Genomics 59: 108-109, 1999.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
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## Handling

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Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage:	4 °C, -20 °C
Storage Comment:	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 freezing and thawing.