

For Research Use Only

# LZTFL1 Polyclonal antibody

Catalog Number: 17073-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 17073-1-AP	<b>GenBank Accession Number:</b> BC025988	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 54585	<b>Recommended Dilutions:</b> WB 1:2000-1:12000 IHC 1:20-1:200 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> leucine zipper transcription factor-like 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 299 aa, 35 kDa	
<b>Immunogen Catalog Number:</b> AG10919	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> <b>WB :</b> HEK-293 cells, HeLa cells, HepG2 cells, U-251 cells, mouse testis tissue, rat testis tissue <b>IHC :</b> human heart tissue, human lung tissue, human colon tissue, human testis tissue, mouse heart tissue, mouse lung tissue, mouse small intestine tissue, mouse testis tissue, rat heart tissue, rat small intestine tissue, rat testis tissue, human small intestine tissue <b>IF :</b> HepG2 cells,
<b>Cited Applications:</b> IF, IHC, IP, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

LZTFL1 belongs to the LZTFL1 family. It is an important regulator of BBSome ciliary trafficking and hedgehog signaling. LZTFL1 regulates Ciliary Trafficking of the BBSome and Smoothened.(PMID:22072986)

## Notable Publications

Author	Pubmed ID	Journal	Application
Shichao Duan	33241915	EMBO J	WB,IF
Thibaut Eguether	25446516	Dev Cell	WB,IF
Paurav B Desai	32435793	J Cell Biol	IF

## Storage

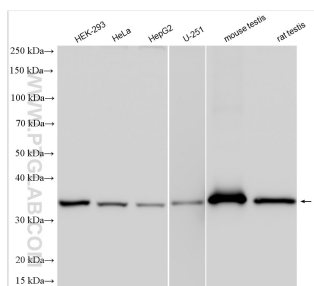
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

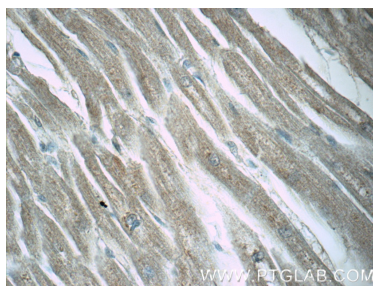
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

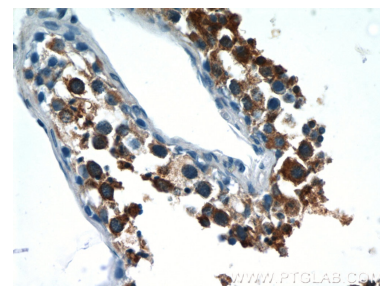
## Selected Validation Data



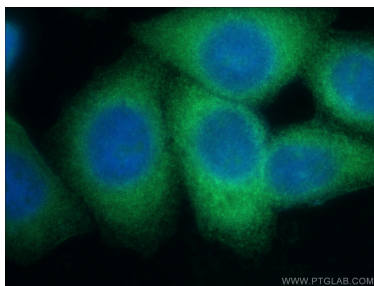
Various lysates were subjected to SDS PAGE followed by western blot with 17073-1-AP (LZTFL1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



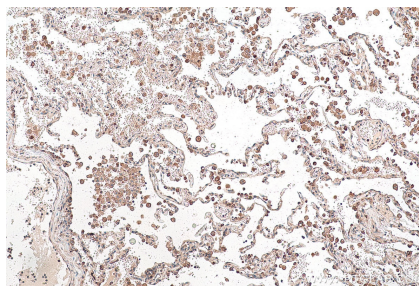
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 17073-1-AP (LZTFL1 Antibody) at dilution of 1:50 (under 40x lens).



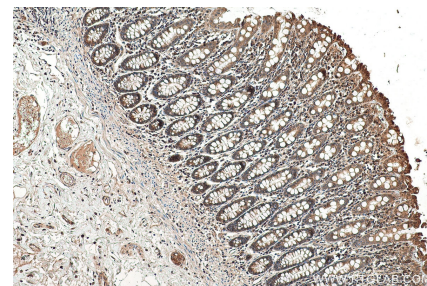
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 17073-1-AP (LZTFL1 Antibody) at dilution of 1:50 (under 40x lens).



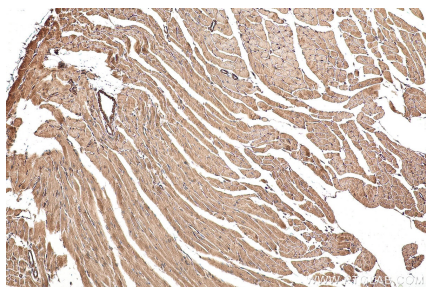
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 17073-1-AP (LZTFL1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



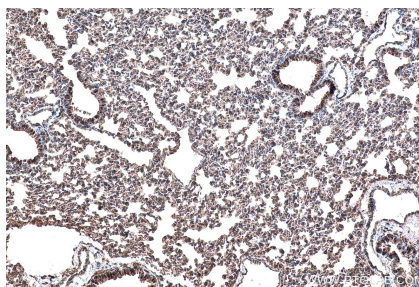
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 17073-1-AP (LZTFL1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



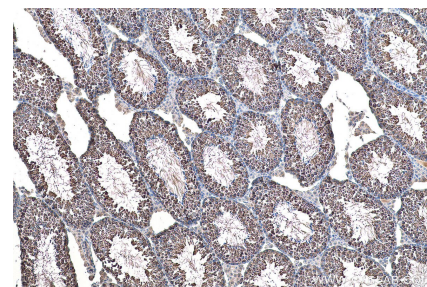
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 17073-1-AP (LZTFL1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



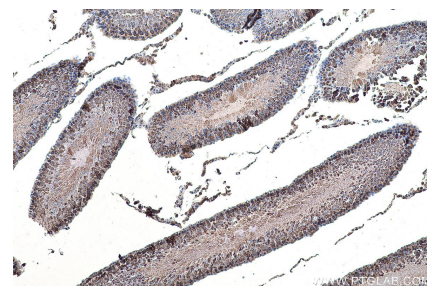
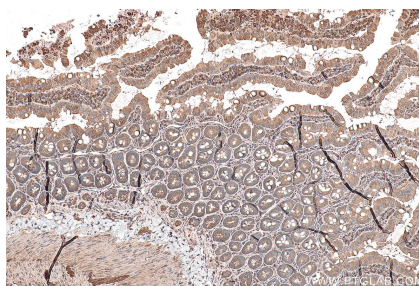
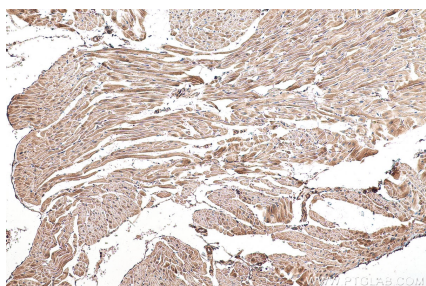
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 17073-1-AP (LZTFL1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



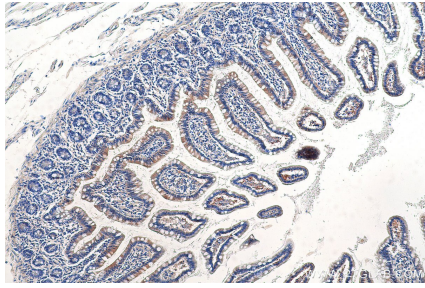
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 17073-1-AP (LZTFL1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 17073-1-AP (LZTFL1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 17073-1-AP (LZTFL1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using 17073-1-AP (LZTFL1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 17073-1-AP (LZTFL1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 17073-1-AP (LZTFL1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).