

For Research Use Only

# KTELC1 Polyclonal antibody

Catalog Number: 24409-1-AP



## Basic Information

<b>Catalog Number:</b> 24409-1-AP	<b>GenBank Accession Number:</b> BC048810	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 850 µg/ml by Nanodrop and 407 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 56983	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> KTEL (Lys-Tyr-Glu-Leu) containing 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 392 aa, 46 kDa	
<b>Immunogen Catalog Number:</b> AG19942	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, HEK-293 cells, Hela cells IHC : human liver tissue, IF : C2C12 cells,
<b>Species Specificity:</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

KTELC1 also termed as CLP46 is a glucosyltransferase, which implicates in Protein modification and glycosylation. KTELC1 encodes a 392 amino acids protein and its molecular weight is 46kda, but is exists glycosylation modification. KTELC1 is localized in endoplasmic reticulum lumen and abundantly expressed in liver, brain, heart, skeletal muscle, spleen, kidney, placenta, lung and peripheral blood leukocyte. KTELC1 may regulation in cell proliferation and Notch signal pathway.<sup>1</sup>

## 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

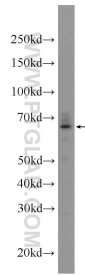
For technical support and original validation data for this product please contact:

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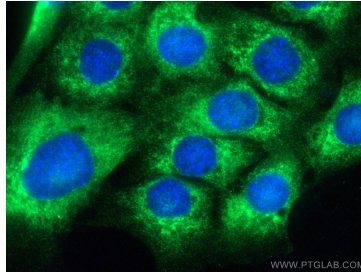
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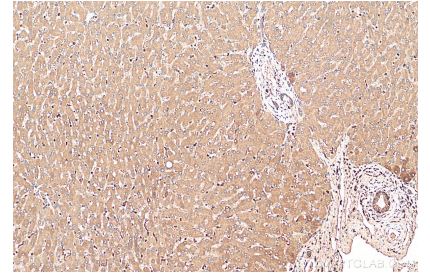
## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 24409-1-AP (KTELC1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed C2C12 cells using KTELC1 antibody (24409-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 24409-1-AP (KTELC1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).