

For Research Use Only

# UPB1 Polyclonal antibody

Catalog Number: 24603-1-AP



## Basic Information

<b>Catalog Number:</b> 24603-1-AP	<b>GenBank Accession Number:</b> BC131703	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 51733	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> ureidopropionase, beta	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 384 aa, 43 kDa	
<b>Immunogen Catalog Number:</b> AG18960	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> mouse liver tissue,
<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>	<b>IHC :</b> human heart tissue,

## Background Information

BUP1(Beta-ureidopropionase) is also named as BUP1, Beta-alanine synthase, N-carbamoyl-beta-alanine amidohydrolase and belongs to the CN hydrolase family. It catalyzes the last step in the pyrimidine degradation pathway that it converts N-carbamyl-beta-aminoisobutyric acid and N-carbamyl-beta-alanine to, respectively, beta-aminoisobutyric acid and beta-alanine, ammonia and carbon dioxide. It is a protein with a calculated molecular mass of 43 kDa.

## Storage

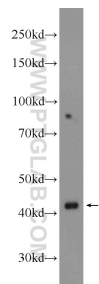
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

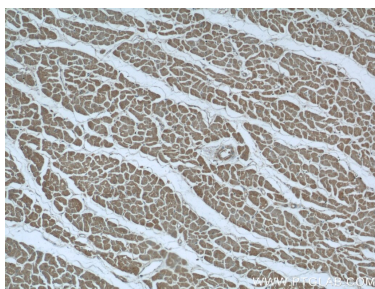
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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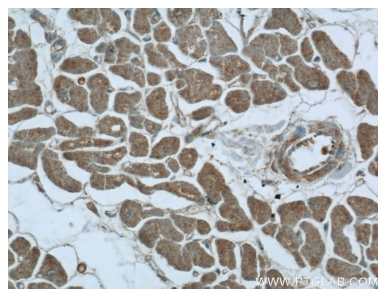
## Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 24603-1-AP (UPB1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 24603-1-AP (UPB1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 24603-1-AP (UPB1 Antibody) at dilution of 1:50 (under 40x lens).