

For Research Use Only

UPB1 Polyclonal antibody

Catalog Number:24603-1-AP



Basic Information

Catalog Number: 24603-1-AP	GenBank Accession Number: BC131703	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51733	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q9UBR1	
Isotype: IgG	Full Name: ureidopropionase, beta	
Immunogen Catalog Number: AG18960	Calculated MW: 384 aa, 43 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse liver tissue,
IHC : 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

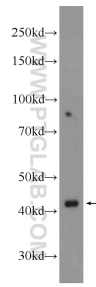
For technical support and original validation data for this product please contact:

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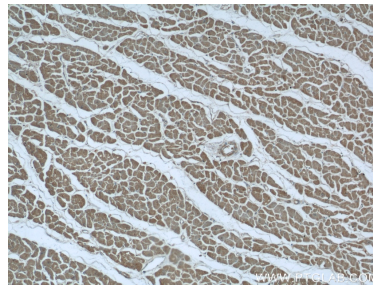
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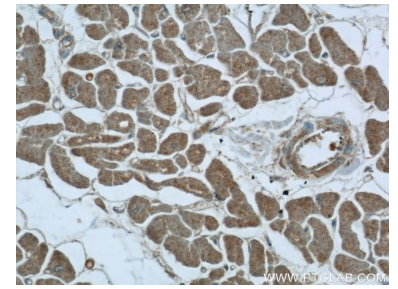
Selected Validation Data



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).