

For Research Use Only

UPB1 Polyclonal antibody, PBS Only

Catalog Number:24603-1-PBS



Basic Information

Catalog Number:

24603-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18960

GenBank Accession Number:

BC131703

GeneID (NCBI):

51733

UNIPROT ID:

Q9UBR1

Full Name:

ureidopropionase, beta

Calculated MW:

384 aa, 43 kDa

Observed MW:

43 kDa, 80 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

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. It can also exist in the form of homodimer, homotetramer, homooctamer, and higher homooligomers. (PMID: 29976570)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

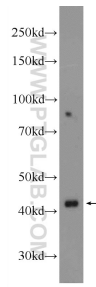
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

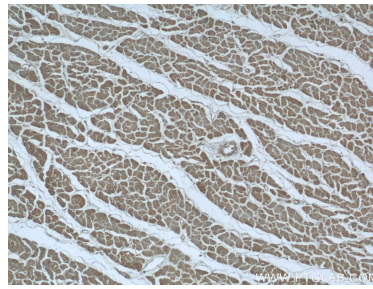
E: proteintech@ptglab.com
W: ptglab.com

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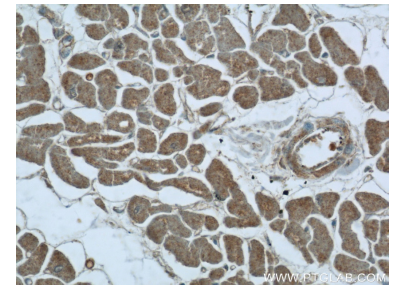
Selected Validation Data



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. This data was developed using the same antibody clone with 24603-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 24603-1-AP (UPB1 Antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 24603-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 24603-1-AP (UPB1 Antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 24603-1-PBS in a different storage buffer formulation.