

KBTBD10 Polyclonal antibody

Catalog Number: 25577-1-AP

Basic Information

Catalog Number:

25577-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22311

GenBank Accession Number:

BC006534

GeneID (NCBI):

10324

UNIPROT ID:

O60662

Full Name:

kelch repeat and BTB (POZ) domain containing 10

Calculated MW:

606 aa, 68 kDa

Observed MW:

68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, 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 heart tissue, mouse skeletal muscle tissue

IHC : human heart tissue, human skeletal muscle tissue

Background Information

KBTBD10, also named as KBTBD10 or KRP1, is a 606 amino acid protein, which contains one BACK (BTB/Kelch associated) domain, one BTB (POZ) domain and five Kelch repeats. KBTBD10 localizes in the cytoplasm and is expressed in Sarcomeric muscle. KBTBD10 is involved in skeletal muscle development and differentiation. KBTBD10 regulates proliferation and differentiation of myoblasts and plays a role in myofibril assembly by promoting lateral fusion of adjacent thin fibrils into mature, wide myofibrils.

Storage

Storage:

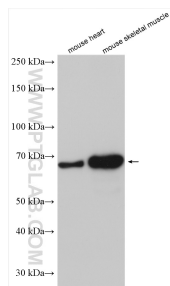
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

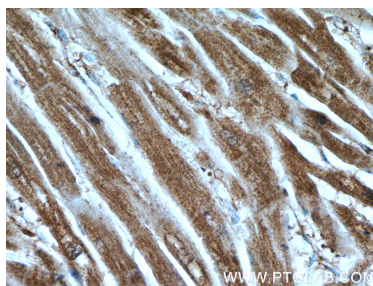
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

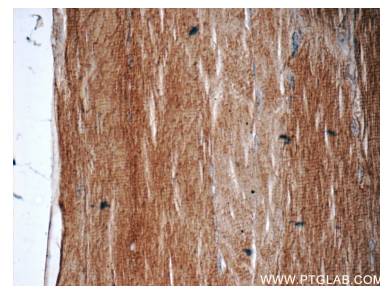
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25577-1-AP (KBTBD10 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 25577-1-AP (KBTBD10 Antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 25577-1-AP (KBTBD10 Antibody) at dilution of 1:50 (under 40x lens).