

For Research Use Only

# KBTBD10 Polyclonal antibody

Catalog Number: 25577-1-AP



## Basic Information

<b>Catalog Number:</b> 25577-1-AP	<b>GenBank Accession Number:</b> BC006534	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop and 353 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10324	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> kelch repeat and BTB (POZ) domain containing 10	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 606 aa, 68 kDa	
<b>Immunogen Catalog Number:</b> AG22311	<b>Observed MW:</b> 68 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> mouse heart tissue, <b>IHC :</b> human heart tissue, human skeletal muscle tissue
<b>Note-IHC:</b> <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	

## 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

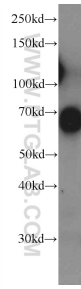
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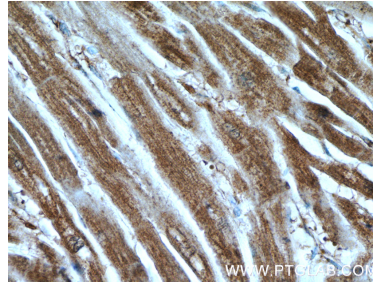
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## Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 25577-1-AP (KBTBD10 Antibody) at dilution of 1:1500 incubated at 4 degree celsius over night.



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).