

For Research Use Only

# KBTBD5 Polyclonal antibody

Catalog Number: 21836-1-AP



## Basic Information

### Catalog Number:

21836-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG16430

### GenBank Accession Number:

BC110491

### GeneID (NCBI):

131377

### UNIPROT ID:

Q2TBA0

### Full Name:

kelch repeat and BTB (POZ) domain containing 5

### Calculated MW:

621 aa, 69 kDa

### Observed MW:

69 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## 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 skeletal muscle tissue,

IHC: mouse skeletal muscle tissue, human skeletal muscle tissue

## Background Information

KBTBD5, also known as KLHL40 and SRYF, contains a BACK domain, a BTB/POZ domain and 5 Kelch repeats. It is expressed predominantly in skeletal muscle. The KLHL40 gene mutation is responsible for a severe and potentially fatal neuromyopathy (PMID: 38397198).

## 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)

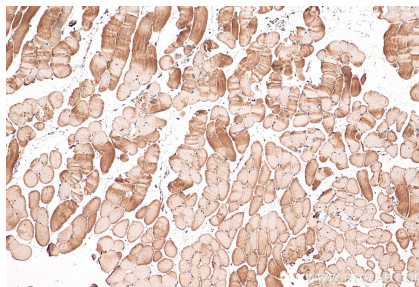
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

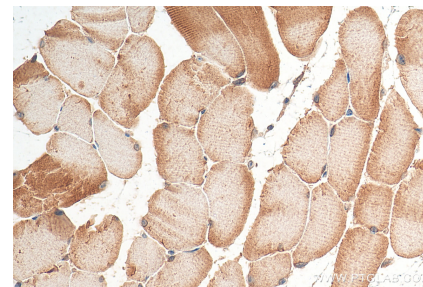
## Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 21836-1-AP (KBTBD5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 21836-1-AP (KBTBD5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 21836-1-AP (KBTBD5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).