

For Research Use Only

KBTBD5 Polyclonal antibody

Catalog Number: 21836-1-AP



Basic Information

Catalog Number:

21836-1-AP

Size:

400 µg/ml

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:

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 skeletal muscle tissue,

IHC: mouse skeletal muscle tissue, human skeletal muscle tissue

Background Information

KBTBD5, also known as KLHL40 and SRYP, 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

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

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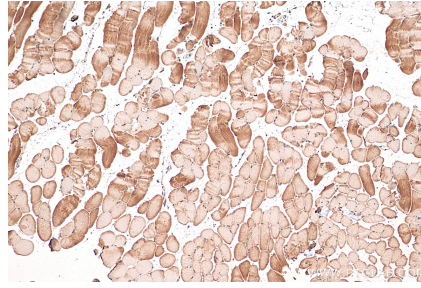
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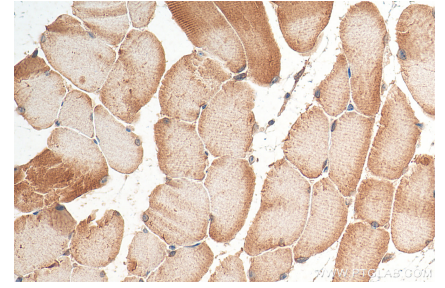
Selected Validation Data



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).