

Kbtbd5 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11643**Specification**

Kbtbd5 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9D783
Other Accession	NM_028202 , NP_082478
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Rabbit, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69kDa KDa

Kbtbd5 antibody - N-terminal region - Additional Information**Gene ID** 72330**Alias Symbol** 2310024D23Rik, Kbtbd5**Other Names**

Kelch-like protein 40, Kelch repeat and BTB domain-containing protein 5, Klhl40, Kbtbd5

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Kbtbd5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Kbtbd5 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Kbtbd5 antibody - N-terminal region - Protein Information**Name** Klhl40 {ECO:0000312|MGI:MGI:1919580}**Function**

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a key regulator of skeletal muscle development (PubMed:25940086). The BCR(KLHL40) complex acts by mediating ubiquitination and degradation of TFDP1, thereby regulating the activity of the E2F:DP transcription factor complex (PubMed:25940086). Promotes stabilization of LMOD3 by acting as a negative regulator of LMOD3 ubiquitination; the molecular process by which it negatively regulates ubiquitination of LMOD3 is however unclear (PubMed:25940086).

href="http://www.uniprot.org/citations/24960163" target="_blank">24960163).

Cellular Location

Cytoplasm. Cytoplasm, myofibril, sarcomere, A band Cytoplasm, myofibril, sarcomere, I band

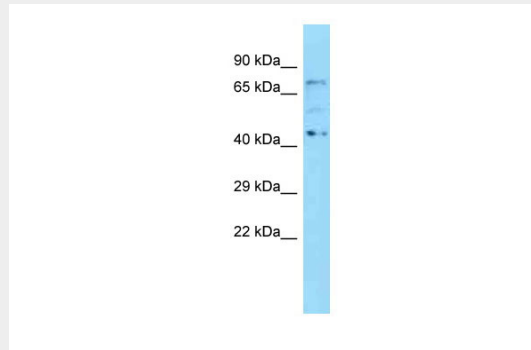
Tissue Location

Specifically expressed in skeletal muscles in embryonic, neonatal and adults (PubMed:24960163, PubMed:25940086) Expressed in various types of muscles, including extensor digitorum longus, gastrocnemius, soleus, diaphragm, masseter and heart (at protein level). Not detected in brain, liver and lung (at protein level).

Kbtbd5 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Kbtbd5 antibody - N-terminal region - Images

WB Suggested Anti-Kbtbd5 Antibody Titration: 1.0 µg/ml

Positive Control: Mouse Brain