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Kbtbd5 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11643

Product Information

Application	WB
Primary Accession	Q9D783
Other Accession	NM_028202, NP_082478
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Rabbit, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69589

Additional Information

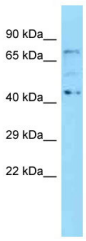
Gene ID	72330
Alias Symbol	2310024D23Rik, Kbtbd5
Other Names	Kelch-like protein 40, Kelch repeat and BTB domain-containing protein 5, Klhl40, Kbtbd5
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled 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.

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: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).

Images



WB Suggested Anti-Kbtbd5 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Brain

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.