

**KBTBD5 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56556****Specification**

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**KBTBD5 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q2TBA0</a>
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69257

**KBTBD5 Polyclonal Antibody - Additional Information****Gene ID** 131377**Other Names**

Kelch-like protein 40, Kelch repeat and BTB domain-containing protein 5, Sarcosynapsin  
{ECO:0000303|Ref.1}, KLHL40 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=30372" target="\_blank">HGNC:30372</a>)

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**KBTBD5 Polyclonal Antibody - Protein Information****Name** KLHL40 ([HGNC:30372](#))**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:<a href="http://www.uniprot.org/citations/23746549" target="\_blank">23746549</a>). The BCR(KLHL40) complex acts by mediating ubiquitination and degradation of TFDP1, thereby regulating the activity of the E2F:DP transcription factor complex (By similarity). 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 (By similarity).

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:Q9D783}. Cytoplasm, myofibril, sarcomere, A band  
Cytoplasm, myofibril, sarcomere, I band {ECO:0000250|UniProtKB:Q9D783}

**Tissue Location**

Highly expressed in fetal (19, 23 and 31 weeks of gestation) and adult skeletal muscle; expression levels tend to be higher in fetal compared to postnatal muscles (at protein level). Also expressed in fetal and adult heart.

**KBTBD5 Polyclonal Antibody - 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 Polyclonal Antibody - Images**