

KBTBD5 Rabbit pAb

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Catalog # AP56556

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q2TBA0
Predicted	Rat, Pig, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69257
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KBTBD5
Epitope Specificity	401-500/621
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, myofibril, sarcomere, A band
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a protein containing a BACK domain, a BTB/POZ domain, and 5 Kelch repeats, however, its exact function is not known. The gene and the multi-domain protein structure are conserved across different taxa, including primates, rodents, chicken and zebrafish. [provided by RefSeq, Dec 2012]

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 (HGNC:30372)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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.

Protein Information

Name	KLHL40 (HGNC:30372)
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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: 23746549). 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.

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