

KBTBD5 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10428c**Specification**

KBTBD5 Antibody (Center) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q2TBA0
Other Accession	Q9D783 , NP_689606.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	349-377

KBTBD5 Antibody (Center) - Additional Information**Gene ID** 131377**Other Names**

Kelch-like protein 40, Kelch repeat and BTB domain-containing protein 5, Sarcosynapsin, KLHL40, KBTBD5, SRYP

Target/Specificity

This KBTBD5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 349-377 amino acids from the Central region of human KBTBD5.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

KBTBD5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

KBTBD5 Antibody (Center) - 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:[23746549](#)). The BCR(KLHL40) complex acts by mediating ubiquitination and degradation of TFDPI, 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

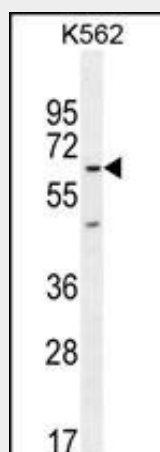
Highly expressed in fetal (19, 23 and 31 weeks of gestation) and adult skeletal muscle; expression levels tend to be higher in fetal compared to postnatal muscles (at protein level). Also expressed in fetal and adult heart.

KBTBD5 Antibody (Center) - Protocols

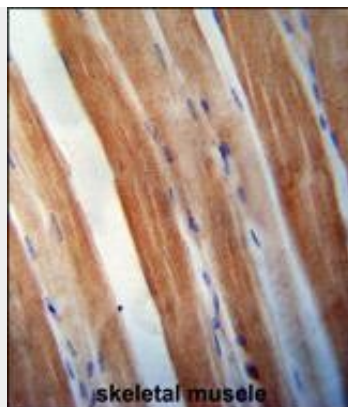
Provided below are standard protocols that you may find useful for product applications.

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

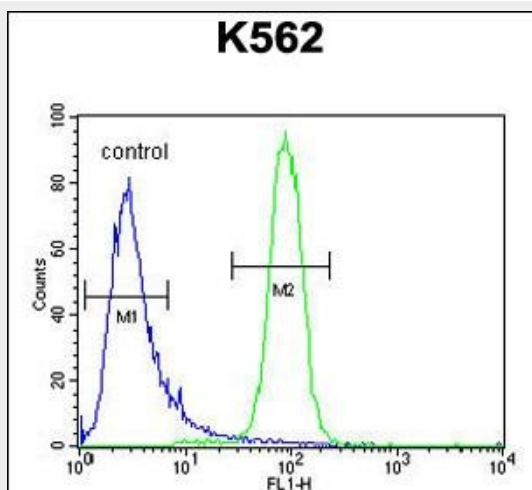
KBTBD5 Antibody (Center) - Images



KBTBD5 Antibody (Center) (Cat. #AP10428c) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the KBTBD5 antibody detected the KBTBD5 protein (arrow).



KBTBD5 antibody (Center) (Cat. #AP10428c) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KBTBD5 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



KBTBD5 Antibody (Center) (Cat. #AP10428c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

KBTBD5 Antibody (Center) - References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :