

Rabbit KBTBD5 Polyclonal Antibody | anti-KLHL40 antibody

KBTBD5 Antibody (Center)

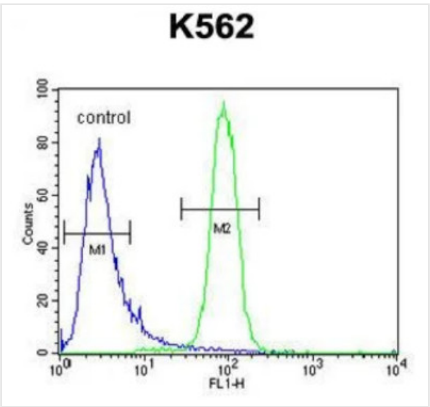
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290277	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

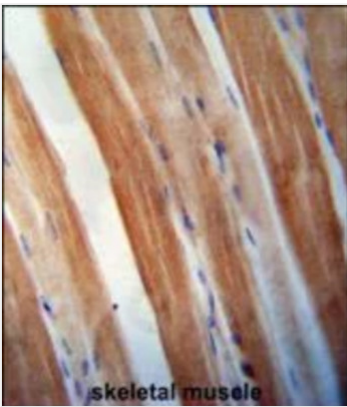
KBTBD5; Polyclonal Antibody; KBTBD5 Antibody (Center); Kelch-like protein 40; Kelch repeat and BTB domain-containing protein 5; Sarcosynapsin; KLHL40; SRYP; anti-KLHL40 antibody

PRODUCT SPECIFICATIONS

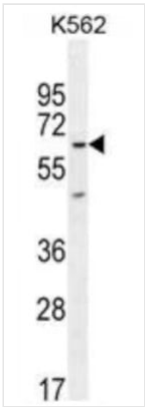
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This KBTBD5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 349-377 amino acids from the Central region of human KBTBD5.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	349-377
Sequence Length	621
Applicable Applications for anti-KLHL40 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
KBTBD5 Antibody (Center) 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.



IHC (Immunohiostchemistry)
KBTBD5 antibody (Center) 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.



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

ADDITIONAL INFORMATION

References	Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45593142
NCBI GeneID	131377
NCBI Accession #	NP_689606.2
NCBI GenBank Nucleotide #	NM_152393.3
UniProt Accession #	Q2TBA0; Q86SI1; Q96MR2
NCBI Official Full Name	kelch-like protein 40
NCBI Official Synonym Full Names	kelch-like family member 40
NCBI Official Symbol	KLHL40
NCBI Official Synonym Symbols	NEM8; SRYP; SYRP; KBTBD5
NCBI Protein Information	kelch-like protein 40

UniProt Protein Name	Kelch-like protein 40
UniProt Gene Name	KLHL40
UniProt Synonym Gene Names	KBTD5; SRYP
UniProt Entry Name	KLH40_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/kbtbd5-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290277>