

KBTBD10 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16445b**Specification**

KBTBD10 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O60662
Other Accession	O9ER30 , A2AUC9 , NP_006054.2
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68037
Antigen Region	547-575

KBTBD10 Antibody (C-term) - Additional Information**Gene ID** 10324**Other Names**

Kelch-like protein 41, Kel-like protein 23, Kelch repeat and BTB domain-containing protein 10, Kelch-related protein 1, Sarcosin, KLHL41, KBTBD10, KRP1

Target/Specificity

This KBTBD10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 547-575 amino acids from the C-terminal region of human KBTBD10.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

KBTBD10 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KBTBD10 Antibody (C-term) - Protein Information**Name** KLHL41

Synonyms KBTBD10, KRP1

Function Involved in skeletal muscle development and differentiation. Regulates proliferation and differentiation of myoblasts and plays a role in myofibril assembly by promoting lateral fusion of adjacent thin fibrils into mature, wide myofibrils. Required for pseudopod elongation in transformed cells.

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:A2AUC9}. Cell projection, pseudopodium {ECO:0000250|UniProtKB:Q9ER30}. Cell projection, ruffle {ECO:0000250|UniProtKB:Q9ER30}. Cytoplasm, myofibril, sarcomere, M line {ECO:0000250|UniProtKB:A2AUC9} Sarcoplasmic reticulum membrane Endoplasmic reticulum membrane Note=Predominantly cytoplasmic but can colocalize with F-actin at the membrane ruffle-like structures at the tips of transformation-specific pseudopodia.

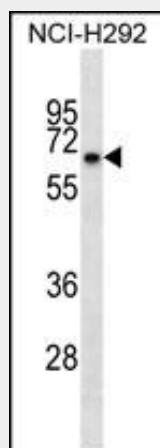
Tissue Location

Sarcomeric muscle.

KBTBD10 Antibody (C-term) - 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](#)

KBTBD10 Antibody (C-term) - Images

KBTBD10 Antibody (C-term) (Cat. #AP16445b) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the KBTBD10 antibody detected the KBTBD10 protein (arrow).

KBTBD10 Antibody (C-term) - Background

KBTBD10 is required for pseudopod elongation in transformed cells. Substrate-specific adapter of an E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent

proteasomal degradation of target proteins.

KBTD10 Antibody (C-term) - References

Foster, L.J., et al. J. Proteome Res. 5(1):64-75(2006)
Lim, D.S., et al. J. Am. Coll. Cardiol. 38(4):1175-1180(2001)
Spence, H.J., et al. Oncogene 19(10):1266-1276(2000)
Taylor, A., et al. Mol. Cell. Biochem. 183 (1-2), 105-112 (1998) :