10320 Camino Santa Fe, Suite G
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# KBTBD10 Polyclonal Antibody
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP58845**

## Specification

### KBTBD10 Polyclonal Antibody - Product Information

| | |
|---|---|
| Application | **WB, IHC-P, IHC-F, IF, E** |
| Primary Accession | O60662 |
| Reactivity | **Rat, Pig, Dog, Bovine** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **68 KDa** |
| Physical State | **Liquid** |
| Immunogen | **KLH conjugated synthetic peptide derived from human KBTBD10** |
| Epitope Specificity | **542-606/606** |

**Purity**
affinity purified by Protein A

| | |
|---|---|
| Buffer | **0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.** |
| SUBCELLULAR LOCATION | **Cytoplasm. Cytoplasm, cytoskeleton. Cell projection, pseudopodium. Cell projection, ruffle. Note=Predominantly cytoplasmic but can co-localize with F-actin at the membrane ruffle-like structures at the tips of transformation-specific pseudopodia.** |
| SIMILARITY | **Contains 1 BTB (POZ) domain. Contains 5 Kelch repeats.** |
| SUBUNIT | **Interacts with NRAP (By similarity). Part of a complex that contains CUL3, RBX1 and KBTBD10.** |
| Post-translational modifications | **Ubiquitinated and probably targeted for proteasome-independent degradation.** |
| Important Note | **This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.** |

**Background Descriptions**
Sarcosin contains 1 BTB (POZ) domain and is required for pseudopod elongation in transformed cells. Sarcosin mRNA is up-regulated by less than two folds in the heart in human patients with HCM.

### KBTBD10 Polyclonal Antibody - 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

**Dilution**
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

**Storage**
Store at -20 ℃ 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 ℃.

## KBTBD10 Polyclonal Antibody - 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 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 Cytomety
- Cell Culture

## KBTBD10 Polyclonal Antibody - Images

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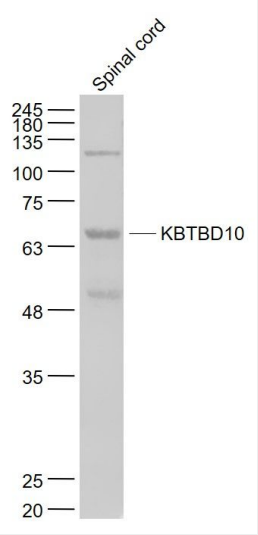


Sample:
Spinal cord (Mouse) Lysate at 40 ug
Primary: Anti- KBTBD10 (bs-8044R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 68 kD
Observed band size: 68 kD