

# KBTBD10 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI11452

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">O60662</a>
<b>Other Accession</b>	<a href="#">NM_006063</a> , <a href="#">NP_006054</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Dog, Horse, Bovine
<b>Predicted</b>	Mouse, Rabbit, Pig, Chicken, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	68037

## Additional Information

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<b>Gene ID</b>	10324
<b>Alias Symbol</b>	SARCOSIN, KBTBD10
<b>Other Names</b>	Kelch-like protein 41, Kel-like protein 23, Kelch repeat and BTB domain-containing protein 10, Kelch-related protein 1, Sarcosin, KLHL41, KBTBD10, KRP1
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 100 ul of distilled water. Final anti-KBTBD10 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	KBTBD10 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	KLHL41
<b>Synonyms</b>	KBTBD10, KRP1
<b>Function</b>	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.
<b>Cellular Location</b>	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.

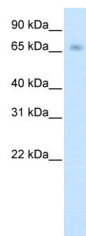
## References

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Lim,D.S., et al., (2001) J. Am. Coll. Cardiol. 38 (4), 1175-1180  
Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.  
Publications:du Puy, L. et al. Sarcosin (Krp1) in skeletal muscle differentiation: gene expression profiling and knockdown experiments. Int. J. Dev. Biol. 56, 301-9 (2012). WB, Mouse, Bovine, H, Rabbit, Rat, Guinea pig, Human, Dog22562206

## Images

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WB Suggested Anti-KBTBD10 Antibody Titration:  
0.625µg/ml  
ELISA Titer: 1:1562500  
Positive Control: Human Muscle

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.