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KBTBD10 Rabbit pAb

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Catalog # AP58845

Product Information

Application	WB
Primary Accession	O60662
Reactivity	Mouse
Predicted	Human, Rat, Dog, Pig, Horse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68037
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.

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=1:500-2000
Storage	Store at -20 °C 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 °C.

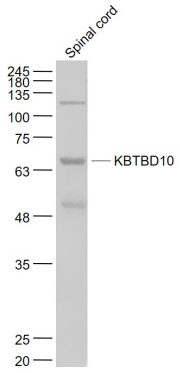
Protein Information

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.

Background

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.

Images



Sample:
Spinal cord (Mouse) Lysate at 40 ug
Primary: Anti- KBTBD10 (AP58845) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 68 kD
Observed band size: 68 kD