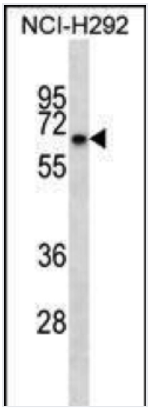
KBTBD10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KBTBD10, Polyclonal Antibody
Full Product Name	KBTBD10, CT (KBTBD10, KRP1, Kelch repeat and BTB domain-containing protein 10, Kel-like protein 23, Kelch-related protein 1, Sarcosin) (MaxLight 650)
Product Gene Name	anti-KBTBD10 antibody
Product Synonym Names	KBTBD10; KRP1; Kelch repeat and BTB domain-containing protein 10; Kel-like protein 23; Kelch-related protein 1; Sarcosin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human KBTBD10.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	68,037 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (170366212..170382772). Location: 2q31.1
OMIM	607701
3D Structure	ModBase 3D Structure for O60662
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 547-575 in the C-terminal region of human KBTBD10, UniProt Accession #O60662. Species sequence homology: mouse and rat
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-KBTBD10 antibody	Antibodies; Kelch-like Proteins
Applications Tested/Suitable for anti-KBTBD10 antibody	Western Blot (WB), FLISA
Application Notes for anti-KBTBD10 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-KBTBD10 antibody	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.
Product References and Citations for anti-KBTBD10 antibody	1. Foster, L.J., et al. J. Proteome Res. 5(1):64-75(2006). 2. Lim, D.S., et al. J. Am. Coll. Cardiol. 38(4):1175-1180(2001). 3. Spence, H.J., et al. Oncogene 19(10):1266-1276(2000). 4. Taylor, A., et al. Mol. Cell. Biochem. 183 (1-2), 105-112 (1998).

Other Notes	Small volumes of anti-KBTBD10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KBTBD10 purchase	MBS6312156 is an antibody targeting KBTBD10. Also known as KBTBD10, CT (KBTBD10, KRP1, Kelch repeat and BTB domain-containing protein 10, Kel-like protein 23, Kelch-related protein 1, Sarcosin) (MaxLight 650). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-KBTBD10 antibody
Western Blot analysis in NCI-H292 cell line lysates (35ug/lane) usingMBS645349. This demonstrates that MBS645349 detected the KBTBD10 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KBTBD10. It may not necessarily be applicable to this product.

NCBI GI #	42741669
NCBI GeneID	10324
NCBI Accession #	NP_006054.2
UniProt Primary Accession #	O60662
UniProt Secondary Accession #	Q53R42
UniProt Related Accession #	O60662
GenBank Nucleotide #	NM_006063.2
NCBI Official Full Name	kelch-like protein 41
NCBI Official Synonym Full Names	kelch-like family member 41
NCBI Official Symbol	KLHL41
NCBI Official Synonym Symbols	Krp1; KBTBD10; SARCOSIN
UniProt Protein Name	Kelch-like protein 41
UniProt Synonym Protein Names	Kel-like protein 23; Kelch repeat and BTB domain-containing protein 10; Kelch-related protein 1; Sarcosin
UniProt Gene Name	KLHL41
UniProt Synonym Gene Names	KBTBD10; KRP1
UniProt Entry Name	KLH41_HUMAN
NCBI Protein Information	kelch-like protein 41; kelch-like 41; kel-like protein 23; kelch-related protein 1; sarcomeric muscle protein; kelch repeat and BTB (POZ) domain containing 10; kelch repeat and BTB domain-containing protein 10

NCBI Summary for KBTBD10	This gene is a member of the kelch-like family. The encoded protein contains a BACK domain, a BTB/POZ domain, and 5 Kelch repeats. This protein is thought to function in skeletal muscle development and maintenance. Mutations in this gene have been associated with nemaline myopathy (NM), a rare congenital muscle disorder. [provided by RefSeq, Mar 2015]
UniProt Comments for KBTBD10	KBTBD10: 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. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Contractile; Cell adhesion; Ubiquitin conjugating system; Cytoskeletal Chromosomal Location of Human Ortholog: 2q31.1 Cellular Component: ruffle; endoplasmic reticulum membrane; sarcoplasmic reticulum membrane; cytoskeleton; cytoplasm; plasma membrane; M band; pseudopodium; nucleus Molecular Function: protein binding Biological Process: myofibril assembly; striated muscle contraction; regulation of myoblast differentiation; protein ubiquitination; regulation of lateral pseudopodium formation Disease: Nemaline Myopathy 9
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