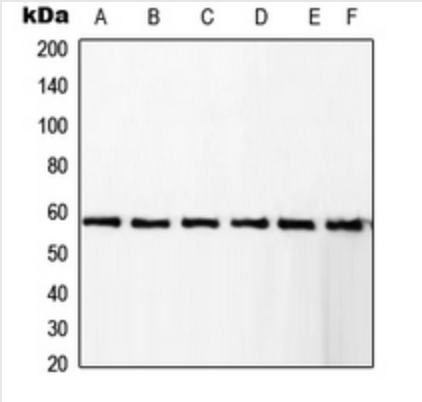
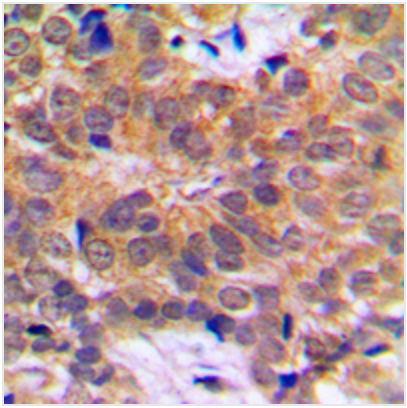
RCBTB1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RCBTB1, Polyclonal Antibody
Full Product Name	Anti-RCBTB1 Antibody
Product Gene Name	anti-RCBTB1 antibody
Product Synonym Names	CLLD7; E4.5; RCC1 and BTB domain-containing protein 1; Chronic lymphocytic leukemia deletion region gene 7 protein; CLL deletion region gene 7 protein; Regulator of chromosome condensation and BTB domain-containing protein 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Dog, Monkey, Pig
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of RCBTB1 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Antibody/Peptide Pairs	RCBTB1 peptide (MBS823464) is used for blocking the activity of RCBTB1 antibody (MBS820733)
Molecular Weight	37,591 Da
OMIM	607867
3D Structure	ModBase 3D Structure for Q8NDN9
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RCBTB1. The exact sequence is proprietary.
Applications Tested/Suitable for anti-RCBTB1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-RCBTB1 antibody	WB (1/500 - 1/1000), IH (1/100 - 1/200)
Related Product Information for anti-RCBTB1 antibody	MBS820733 is an antibody targeting RCBTB1. Reactive in Human, Mouse, Dog, Monkey, Pig. Host: Rabbit. Rabbit polyclonal antibody to RCBTB1
Other Notes	Small volumes of anti-RCBTB1 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.



Western Blot (WB) of anti-RCBTB1 antibody
Western blot analysis of RCBTB1 expression in KNRK (A), Jurkat (B), A431 (C), HeLa (D), Raw264.7 (E), NIH3T3 (F) whole cell lysates.



Immunohistochemistry (IHC) of anti-RCBTB1 antibody
Immunohistochemical analysis of RCBTB1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RCBTB1. It may not necessarily be applicable to this product.

NCBI GI #	57242759
NCBI GeneID	55213
NCBI Accession #	NP_060661.3
UniProt Primary Accession #	Q8NDN9
UniProt Secondary Accession #	Q8IY29; Q969U9
UniProt Related Accession #	Q8NDN9
GenBank Nucleotide #	NM_018191.3
NCBI Official Full Name	RCC1 and BTB domain-containing protein 1
NCBI Official Synonym Full Names	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 1
NCBI Official Symbol	RCBTB1
NCBI Official Synonym Symbols	GLP; CLLD7; CLLL7
UniProt Protein Name	RCC1 and BTB domain-containing protein 1
UniProt Synonym Protein Names	Chronic lymphocytic leukemia deletion region gene 7 protein; CLL deletion region gene 7 protein; Regulator of chromosome condensation and BTB domain-containing protein 1
Protein Family	RCC1 and BTB domain-containing protein
UniProt Gene Name	RCBTB1
UniProt Synonym Gene Names	CLLD7; E4.5; CLL deletion region gene 7 protein
UniProt Entry Name	RCBT1_HUMAN
NCBI Protein Information	RCC1 and BTB domain-containing protein 1; CLL deletion region gene 7 protein; GDP/GTP exchange factor (GEF)-like protein; chronic lymphocytic leukemia deletion region gene 7 protein; regulator of chromosome condensation and BTB domain-containing protein 1

NCBI Summary for RCBTB1	This gene encodes a protein with an N-terminal RCC1 domain and a C-terminal BTB (broad complex, tramtrack and bric-a-brac) domain. In rat, over-expression of this gene in vascular smooth muscle cells induced cellular hypertrophy. In rat, the C-terminus of RCBTB1 interacts with the angiotensin II receptor-1A. In humans, this gene maps to a region of chromosome 13q that is frequently deleted in B-cell chronic lymphocytic leukemia and other lymphoid malignancies. [provided by RefSeq, Jul 2008]
UniProt Comments for RCBTB1	RCBTB1: May be involved in cell cycle regulation by chromatin remodeling. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell cycle regulation; Transcription regulation Chromosomal Location of Human Ortholog: 13q14 Cellular Component: cytoplasm; nucleus Biological Process: transcription, DNA-dependent; regulation of transcription, DNA-dependent; chromatin modification; cell cycle Disease: Alcohol Dependence
Research Articles on RCBTB1	**1.** Study identifies RCBTB1 as a modifier of the smoking effect on carotid intima-media thickness.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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