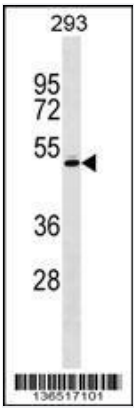
# RCBTB1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | RCBTB1, Polyclonal Antibody |
| **Full Product Name** | RCBTB1, ID (RCBTB1, CLLD7, E4.5, RCC1 and BTB domain-containing protein 1, Chronic lymphocytic leukemia deletion region gene 7 protein, Regulator of chromosome condensation and BTB domain-containing protein 1) (APC) |
| **Product Gene Name** | anti-RCBTB1 antibody |
| **Product Synonym Names** | RCBTB1; CLLD7; E4.5; RCC1 and BTB domain-containing protein 1; Chronic lymphocytic leukemia deletion region gene 7 protein; Regulator of chromosome condensation and BTB domain-containing protein 1 |
| **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 Allophycocyanin (APC). |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **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: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 58,252 Da |
| **Chromosome Location** | Chromosome: 13; NC_000013.10 (50106082..50159719, complement). Location: 13q14 |
| **OMIM** | 607867 |
| **3D Structure** | ModBase 3D Structure for Q8NDN9 |
| **Immunogen** | RCBTB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 349-377 amino acids from the Central region of human RCBTB1. |
| **Conjugate** | APC |
| **Note** | Preservative Free |
| **Special Handling** | Light sensitive |
| **Product Categories/Family for anti-RCBTB1 antibody** | Antibodies; Cancer Markers; Leukemia |
| **Applications Tested/Suitable for anti-RCBTB1 antibody** | Western Blot (WB), FLISA |
| **Application Notes for anti-RCBTB1 antibody** | WB: 1:100-500<br>FLISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-RCBTB1 antibody** | 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. |

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| **Product References and Citations for anti-RCBTB1 antibody** | Genuneit, J., et al. Clin. Exp. Allergy 39(12):1875-1888(2009). Guo, D.F., et al. J. Biol. Chem. 279(20):21109-21120(2004). Dunham, A., et al. Nature 428(6982):522-528(2004). Solomou, E.E., et al. Leuk. Lymphoma 44(9):1579-1585(2003). Mabuchi, H., et al. Cancer Res. 61(7):2870-2877(2001). |
| **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. |
| **Searchable Terms for RCBTB1 purchase** | MBS6341027 is an antibody targeting RCBTB1. Also known as RCBTB1, ID (RCBTB1, CLLD7, E4.5, RCC1 and BTB domain-containing protein 1, Chronic lymphocytic leukemia deletion region gene 7 protein, Regulator of chromosome condensation and BTB domain-containing protein 1) (APC). Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-RCBTB1 antibody**
RCBTB1 Antibody (Center) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the RCBTB1 antibody detected the RCBTB1 protein (arrow).

## ADDITIONAL DETAILS

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

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| **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; RP11-185C18.1 |
| **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 |

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| **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 |
| **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.<br><br>Protein type: Transcription regulation; Cell cycle regulation<br><br>Chromosomal Location of Human Ortholog: 13q14<br><br>Cellular Component: cytoplasm; nucleus<br><br>Biological Process: transcription, DNA-dependent; regulation of transcription, DNA-dependent; chromatin modification; cell cycle<br><br>Disease: Alcohol Dependence |
| **Research Articles on RCBTB1** | **1.** Data show that the biological actions of Clld7 are consistent with those of a tumor suppressor. |
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