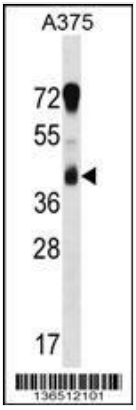
RCN1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RCN1, Polyclonal Antibody
Full Product Name	RCN1, CT (RCN1, RCN, Reticulocalbin-1) (AP)
Product Gene Name	anti-RCN1 antibody
Product Synonym Names	RCN1; RCN; Reticulocalbin-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 Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. 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. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	33,026 Da
OMIM	602735
3D Structure	ModBase 3D Structure for Q15293
Immunogen	RCN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 304-331 amino acids from the C-terminal region of human RCN1.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-RCN1 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-RCN1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RCN1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-RCN1 antibody	Reticulocalbin 1 is a calcium-binding protein located in the lumen of the ER. The protein contains six conserved regions with similarity to a high affinity Ca(+2)-binding motif, the EF-hand. High conservation of amino acid residues outside of these motifs, in comparison to mouse reticulocalbin, is consistent with a possible biochemical function besides that of calcium binding. In human endothelial and prostate cancer cell lines this protein localizes to the plasma membrane.
Product References and Citations for anti-RCN1 antibody	Favor, J., et al. Genetics 182(4):1077-1088(2009). Hansen, G.A., et al. Mol. Cell. Biochem. 320 (1-2), 25-33 (2009): Cooper, C.R., et al. J. Cell. Biochem. 104(6):2298-2309(2008). Lim, J., et al. Cell 125(4):801-814(2006). Taylor, T.D., et al. Nature 440(7083):497-500(2006).
Other Notes	Small volumes of anti-RCN1 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 RCN1 purchase	MBS6341059 is an antibody targeting RCN1. Also known as RCN1, CT (RCN1, RCN, Reticulocalbin-1) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RCN1 antibody
RCN1 Antibody (C-term) western blot analysis in A375 cell line lysates (35ug/lane).This demonstrates the RCN1 antibody detected the RCN1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RCN1. It may not necessarily be applicable to this product.

NCBI GI #	4506455
NCBI GeneID	5954
NCBI Accession #	NP_002892.1
UniProt Primary Accession #	Q15293
UniProt Secondary Accession #	B7Z1M1; D3DR00
UniProt Related Accession #	Q15293
GenBank Nucleotide #	NM_002901.2
NCBI Official Full Name	reticulocalbin-1
NCBI Official Synonym Full Names	reticulocalbin 1, EF-hand calcium binding domain
NCBI Official Symbol	RCN1
NCBI Official Synonym Symbols	RCN; RCAL; PIG20; HEL-S-84
UniProt Protein Name	Reticulocalbin-1
Protein Family	Reticulocalbin
UniProt Gene Name	RCN1
UniProt Synonym Gene Names	RCN
UniProt Entry Name	RCN1_HUMAN
NCBI Protein Information	reticulocalbin-1; epididymis secretory protein Li 84; proliferation-inducing gene 20

UniProt Comments for RCN1	RCN1: May regulate calcium-dependent activities in the endoplasmic reticulum lumen or post-ER compartment. Belongs to the CREC family. Protein type: Calcium-binding Chromosomal Location of Human Ortholog: 11p13 Cellular Component: endoplasmic reticulum; endoplasmic reticulum lumen Molecular Function: protein binding; calcium ion binding Biological Process: camera-type eye development; in utero embryonic development
Research Articles on RCN1	**1.** a promising role of RCN1 as a possible marker in Renal cell carcinoma
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