

RCN1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant RCN1.

Catalog # AT3606a

Product Information

Application	WB, E
Primary Accession	Q15293
Other Accession	BC010120
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1F8-E4
Calculated MW	38890

Additional Information

Gene ID	5954
Other Names	Reticulocalbin-1, RCN1, RCN
Target/Specificity	RCN1 (AAH10120, 31 a.a. ~ 331 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	RCN1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

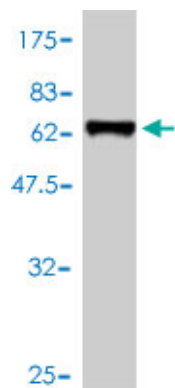
Reticulocalbin 1 is a calcium-binding protein located in the lumen of the ER. The protein contains six conserved regions with similarity to a high affinity Ca(+2)-binding motif, the EF-hand. High conservation of amino acid residues outside of these motifs, in comparison to mouse reticulocalbin, is consistent 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.

References

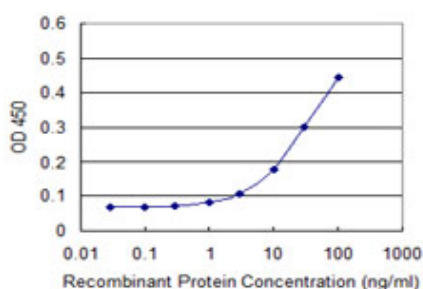
The metastasis efficiency modifier ribosomal RNA processing 1 homolog B (RRP1B) is a chromatin-associated factor. Crawford NP, et al. J Biol Chem, 2009 Oct 16. PMID 19710015. Analysis of Pax6

contiguous gene deletions in the mouse, *Mus musculus*, identifies regions distinct from Pax6 responsible for extreme small-eye and belly-spotting phenotypes. Favor J, et al. *Genetics*, 2009 Aug. PMID 19474196. Calumenin but not reticulocalbin forms a Ca^{2+} -dependent complex with thrombospondin-1. A potential role in haemostasis and thrombosis. Hansen GA, et al. *Mol Cell Biochem*, 2009 Jan. PMID 18688696. Novel surface expression of reticulocalbin 1 on bone endothelial cells and human prostate cancer cells is regulated by TNF- α . Cooper CR, et al. *J Cell Biochem*, 2008 Aug 15. PMID 18561328. A protein-protein interaction network for human inherited ataxias and disorders of Purkinje cell degeneration. Lim J, et al. *Cell*, 2006 May 19. PMID 16713569.

Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (58.63 KDa) .



Detection limit for recombinant GST tagged RCN1 is approximately 1 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.