

**RCV1 Antibody (monoclonal) (M05)****Mouse monoclonal antibody raised against a partial recombinant RCV1.****Catalog # AT3607a****Specification**

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**RCV1 Antibody (monoclonal) (M05) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P35243</a>
Other Accession	<a href="#">NM_002903.1</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	23130

**RCV1 Antibody (monoclonal) (M05) - Additional Information****Gene ID** 5957**Other Names**

Recoverin, Cancer-associated retinopathy protein, Protein CAR, RCVRN, RCV1

**Target/Specificity**

RCV1 (NP\_002894.1, 101 a.a. ~ 199 a.a) partial 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**

RCV1 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

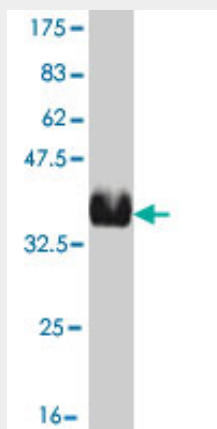
**RCV1 Antibody (monoclonal) (M05) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

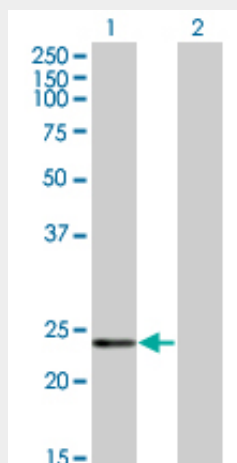
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### RCV1 Antibody (monoclonal) (M05) - Images



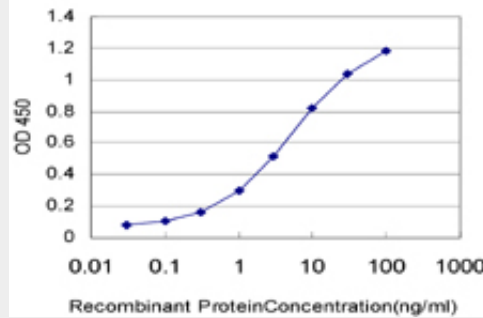
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 kDa) .



Western Blot analysis of RCV1 expression in transfected 293T cell line by RCV1 monoclonal antibody (M05), clone 2H4.

Lane 1: RCV1 transfected lysate (23.1 kDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged RCV1 is approximately 0.1ng/ml as a capture antibody.

### **RCV1 Antibody (monoclonal) (M05) - Background**

This gene encodes a member of the recoverin family of neuronal calcium sensors. The encoded protein contains three calcium-binding EF-hand domains and may prolong the termination of the phototransduction cascade in the retina by blocking the phosphorylation of photo-activated rhodopsin. Recoverin may be the antigen responsible for cancer-associated retinopathy.

### **RCV1 Antibody (monoclonal) (M05) - References**

Amino acid residues in GRK1/GRK7 responsible for interaction with S-modulin/recoverin. Torisawa A, et al. Photochem Photobiol, 2008 Jul-Aug. PMID 18266817. Establishment of a novel small cell lung carcinoma cell line with specific recoverin expression from a patient with cancer-associated retinopathy. Kobayashi M, et al. Lung Cancer, 2007 Jun. PMID 17374419. 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. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Functional analysis of the human recoverin gene promoter. Wiechmann A, et al. Curr Eye Res, 2003 Jan. PMID 12789533.