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RCV1 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant RCV1.

Catalog # AT3607a

Specification

RCV1 Antibody (monoclonal) (M05) - Product Information

Application	**WB, E**
Primary Accession	P35243
Other Accession	NM_002903.1
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

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

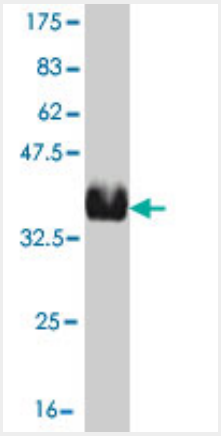
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

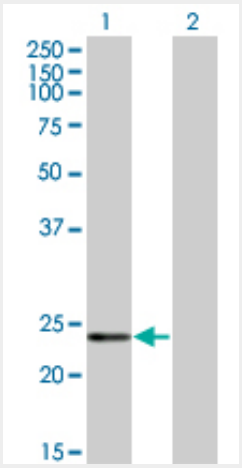
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RCV1 Antibody (monoclonal) (M05) - Images

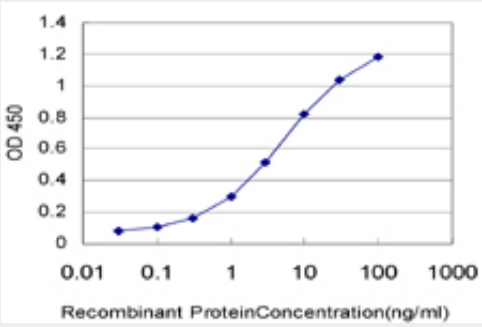


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



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.