

Rabbit anti-Human Recoverin/RCVRN Polyclonal Antibody | anti-RCVRN antibody

Anti-Recoverin/RCVRN Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19878	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Recoverin/RCVRN; Polyclonal Antibody; Anti-Recoverin/RCVRN Antibody Picoband; ADAM metallopeptidase domain 28; Disintegrin and metalloproteinase domain-containing protein 28; ADAM 28; 3.4.24.-; Epididymal metalloproteinase-like; disintegrin-like; and cysteine-rich protein II; eMDC II; Metalloproteinase-like; and cysteine-rich protein L; MDC-L; ADAM28; ADAM23; MDCL; anti-RCVRN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed predominantly in secondary lymphoid tissues, such as lymph node, spleen, small intestine, stomach, colon, appendix and trachea. The lymphocyte population is responsible for expression of this protein in these tissues. Isoform 2 is expressed preferentially in spleen.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-RCVRN antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human IHC(Paraffin-embedded Section): 2-5ug/ml, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human Recoverin/RCVRN recombinant protein (Position: Q33-K150).
Subcellular Localization	Isoform 1: Cell membrane, Single-pass type I membrane protein
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	May play a role in the adhesive and proteolytic events that occur during lymphocyte emigration or may function in ectodomain shedding of lymphocyte surface target proteins, such as FASL and CD40L. May be involved in sperm maturation.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)

Figure 6. IHC analysis of Recoverin/RCVRN using anti-Recoverin/RCVRN antibody (AAA19878). Recoverin/RCVRN was detected in a paraffin-embedded section of human uterus tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-Recoverin/RCVRN Antibody (AAA19878) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-Recoverin/RCVRN Antibody (AAA19878) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-Recoverin/RCVRN Antibody (AAA19878) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-Recoverin/RCVRN Antibody (AAA19878) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Recoverin/RCVRN antigen affinity purified polyclonal antibody (#AAA19878) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Recoverin/RCVRN at approximately 26kDa. The expected band size for Recoverin/RCVRN is at 23 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RCVRN antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-RCVRN antibody	Primary Antibodies; Signal Transduction
References	1. Bayes, M., Valverde, D., Balcells, S., Grinberg, D., Vilageliu, L., Benitez, J., Ayuso, C., Beneyto, M., Baiget, M., Gonzalez-Duarte, R. Evidence against involvement of recoverin in autosomal recessive retinitis pigmentosa in 42 Spanish families. Hum. Genet. 96: 89-94, 1995. 2. Dizhoor, A. M., Ray, S., Kumar, S., Niemi, G., Spencer, M., Brolley, D., Walsh, K. A., Philipov, P. P., Hurley, J. B., Stryer, L. Recoverin: a calcium sensitive activator of retinal rod guanylate cyclase. Science 251: 915-918, 1991. 3. Freund, C. L., Valle, D. Cloning and initial characterization of the cDNA and gene for human recoverin. (Abstract) Am. J. Hum. Genet. 51 (suppl.): A6 only, 1992.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506459
NCBI GeneID	5957
NCBI Accession #	NP_002894.1
NCBI GenBank Nucleotide #	NM_002903.2

UniProt Accession #	P35243
Molecular Weight	23,130 Da
NCBI Official Full Name	recoverin
NCBI Official Synonym Full Names	recoverin
NCBI Official Symbol	RCVRN
NCBI Official Synonym Symbols	RCV1
NCBI Protein Information	recoverin; cancer associated retinopathy antigen; cancer-associated retinopathy protein
UniProt Protein Name	Recoverin
UniProt Gene Name	RCVRN
UniProt Synonym Gene Names	RCV1; Protein CAR
UniProt Entry Name	RECO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/recoverin-rcvrn-antibody-western-blot-immunohistochemistry-elisa/19878>