

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

Recoverin Antibody (C-term)

CATALOG # AAA289407	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

Recoverin; Polyclonal Antibody; Recoverin Antibody (C-term); Cancer-associated retinopathy protein; Protein CAR; RCVRN; RCV1; anti-RCVRN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Recoverin antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-200 amino acids from the C-terminal region of human Recoverin.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	169-200
Sequence Length	200
Applicable Applications for anti-RCVRN antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

The anti-Recoverin C-term Pab is used in Western blot to detect Recoverin in Y79 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-RCVRN antibody	Recoverin belongs to a high-affinity calcium-binding family that includes neuronal calcium sensor-1, visinin-like proteins (VILIPs), guanylate cyclase-activating proteins (GCAPs), and Kv-channel interacting proteins (KchIPs). Features common to this family include four calcium-binding EF-hand domains, and an N-terminal myristoylation sequence. This family of proteins has been implicated in a broad range of cellular signaling functions, including phototransduction and neurotransmitter release, lipid metabolism, gene expression, and ion channel regulation. Myristoylation, the post-translational addition of a fatty acid tail, has been shown to have functional significance for other calcium-binding protein family members. Recoverin is subject to the posttranslational modification of myristoylation. Binding of calcium to recoverin elicits a change in conformation that exposes the buried hydrophobic myristoyl moiety to interaction with cell membranes and other cellular proteins.
Product Categories/Family for anti-RCVRN antibody	Neuroscience; Signal Transduction
References	Wiechmann, A., et al., Curr. Eye Res. 26(1):25-32 (2003). Matsubara, S., et al., Br. J. Cancer 74(9):1419-1422 (1996). Yamaji, Y., et al., Int. J. Cancer 65(5):671-676 (1996). McGinnis, J.F., et al., Mamm. Genome 4(1):43-45 (1993). Wiechmann, A.F., et al., Exp. Eye Res. 56(4):463-470 (1993).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506459
NCBI GeneID	5957
NCBI Accession #	NP_002894.1
NCBI GenBank Nucleotide #	NM_002903.2
UniProt Accession #	P35243; Q53XL0
Molecular Weight	23130
NCBI Official Full Name	recoverin
NCBI Official Synonym Full Names	recoverin
NCBI Official Symbol	RCVRN
NCBI Official Synonym Symbols	RCV1
NCBI Protein Information	recoverin
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.