



# Recoverin Polyclonal Antibody

<b>Catalog No</b>	BYab-04114
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	RCVRN
<b>Protein Name</b>	Recoverin
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Recoverin. AA range:107-156
<b>Specificity</b>	Recoverin Polyclonal Antibody detects endogenous levels of Recoverin protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	RCVRN; RCV1; Recoverin; Cancer-associated retinopathy protein; Protein CAR
<b>Observed Band</b>	23kD
<b>Cell Pathway</b>	Photoreceptor inner segment . Cell projection, cilium, photoreceptor outer segment . Photoreceptor outer segment membrane ; Lipid-anchor ; Cytoplasmic side . Perikaryon . Primarily expressed in the inner segments of light-adapted rod photoreceptors, approximately 10% of which translocates from photoreceptor outer segments upon light stimulation (By similarity). Targeting of myristoylated protein to rod photoreceptor outer segments is calcium dependent (By similarity). .
<b>Tissue Specificity</b>	Retina and pineal gland.
<b>Function</b>	disease:Identified as the antigen in cancer-associated retinopathy, an autoimmune disease of the retina caused by a tumor in another tissue.,function:Seems to be implicated in the pathway from retinal rod guanylate cyclase to rhodopsin. May be involved in the inhibition of the phosphorylation of rhodopsin in a calcium-dependent manner. The calcium-bound recoverin prolongs the photoresponse.,miscellaneous:Binds two calcium ions; one with high affinity,

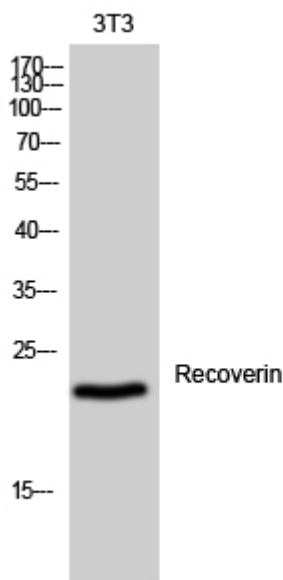
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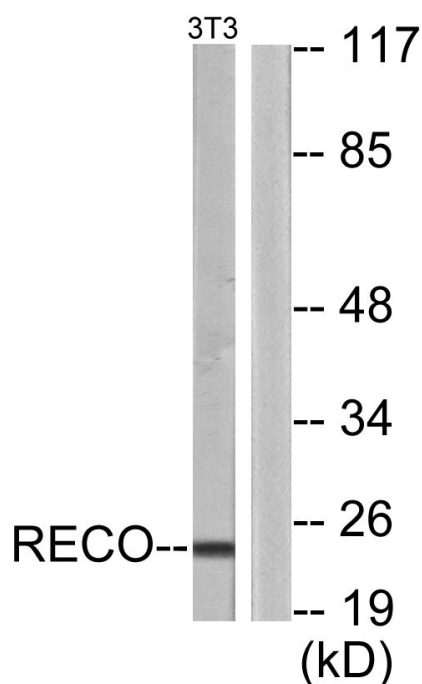
	the other with low affinity.,similarity:Belongs to the recoverin family.,similarity:Contains 4 EF-hand domains.,tissue specificity:Retina and pineal gland.,
<b>Background</b>	This gene encodes a member of the recoverin family of neuronal calcium sensors. The encoded protein contains three calcium-binding 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. [provided by RefSeq, Jul 2008],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



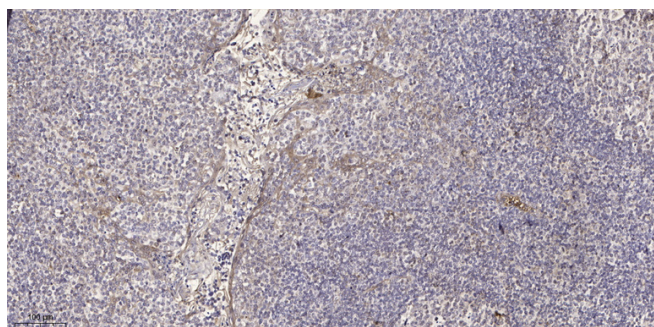
## Products Images



Western Blot analysis of 3T3 cells using Recoverin Polyclonal Antibody



Western blot analysis of lysates from NIH/3T3 cells, using Recoverin Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

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