

## Recoverin Polyclonal Antibody

<b>Catalog No :</b>	YT4037
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Recoverin
<b>Fields :</b>	>>Phototransduction
<b>Gene Name :</b>	RCVRN
<b>Protein Name :</b>	Recoverin
<b>Human Gene Id :</b>	5957
<b>Human Swiss Prot No :</b>	P35243
<b>Mouse Gene Id :</b>	19674
<b>Mouse Swiss Prot No :</b>	P34057
<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>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

**Observed Band :** 23kD

**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. [provided by RefSeq, Jul 2008],

**Function :** 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, the other with low affinity., similarity: Belongs to the recoverin family., similarity: Contains 4 EF-hand domains., tissue specificity: Retina and pineal gland.,

**Subcellular Location :** 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) .

**Expression :** Retina and pineal gland.

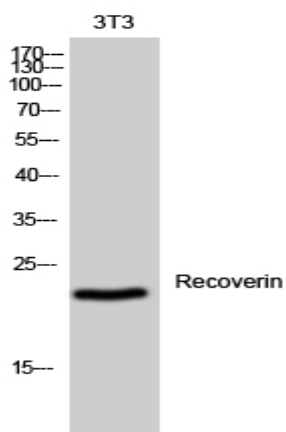
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**No4 :** 1

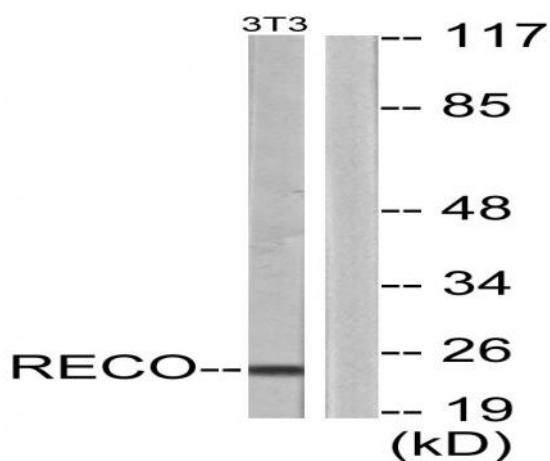
**Host :** Rabbit

**Modifications :** Unmodified

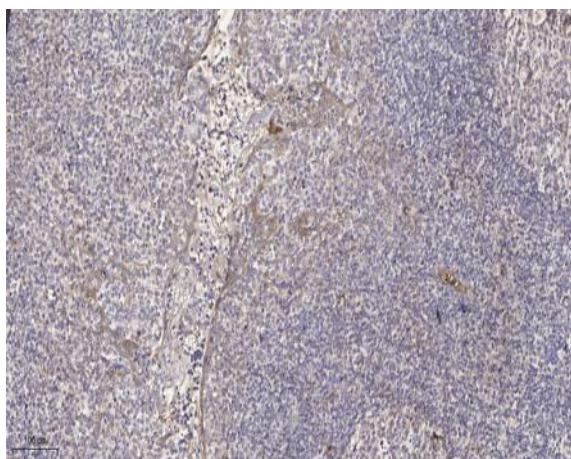
## Products Images



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).