

Recoverin (D143) polyclonal antibody

Catalog: BCP01427

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Recoverin is implicated in the regulation of rhodopsin kinase activity that contributes to the adaptation to background illumination in retinal photoreceptor cells. Recoverin, a Ca²⁺-binding photoreceptor protein, is recognized as an autoantigen of cancer-associated retinopathy (CAR), which is a rare paraneoplastic neurological syndrome characterized by the degeneration of retinal photoreceptors and associated with small-cell lung cancer. Recoverin is a heterogeneously myristoylated protein that inhibits rhodopsin kinase by inhibiting its phosphorylation. Ca²⁺ is required for Recoverin to bind rhodopsin kinase. In addition, the binding of Recoverin-rhodopsin kinase is weakened by autophosphorylation of the kinase and is strengthened by the presence of ADP. Upon accommodating two Ca²⁺ ions, Recoverin extrudes a myristoyl group and associates with the lipid bilayer membrane.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 26 kDa

Swiss-Prot:

P35243

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

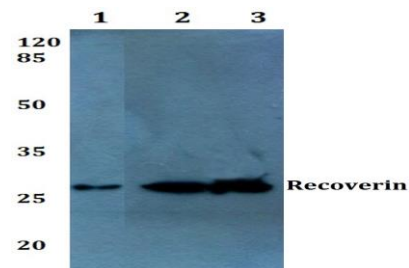
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recoverin (D143) polyclonal antibody detects endogenous levels of Recoverin protein.

DATA:



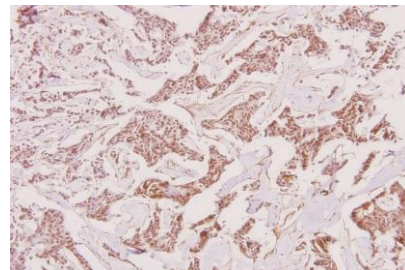
Western blot (WB) analysis of Recoverin (D143) pAb at 1:500 dilution

Lane1: The Heart tissue lysate of Mouse(40ug)

Lane2: HEK293T whole cell lysate(40ug)

Lane3: The Eye tissue lysate of Mouse(40ug)

Lane4: The Eye tissue lysate of Rat(40ug)



Immunohistochemistry (IHC) analyzes of Recoverin (D143) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

For research use only, not for use in diagnostic procedure.