

## Recombinant RXRA Monoclonal Antibody

**catalog number: AN301943L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human;
<b>Immunogen</b>	Recombinant human RXRA fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	A659
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

<b>WB</b>	1:1000
<b>IF</b>	1:50

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

Retinoid X receptor  $\alpha$  (RXRA) is the founding RXR family member and is predominantly expressed in the liver, kidney, epidermis, intestine, and a variety of tissues. Knockout of the murine *rxra* gene results in embryonic lethality tentatively due to myocardial hypoplasia, which demonstrates the importance of RXRA in retinoid signaling in vivo. Biochemical evidence suggests that RXRA transcriptional activity is post-translationally regulated through the Ras-Raf-MAPK signaling cascade. MAPK-dependent phosphorylation of RXR $\alpha$  directly abrogates the ability of RXRA to associate with nuclear receptor coactivators.

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