



## Monoclonal Anti-human RXR $\alpha$ /NR2B1 Antibody

### ORDERING INFORMATION

**Catalog Number:** PP-K8508-10

**Clone:** K8508

**GenBank:** X52773

**Ig Class:** mouse IgG<sub>2a</sub>

**Size:** 100  $\mu$ g

**Formulation:** Lyophilized in phosphate-buffered saline

**Reconstitution:** Distilled or deionized water

**Storage:** 2° - 8° C

**Specificity:** human RXR $\alpha$

**Applications:** Western blot  
Direct ELISA  
Immunohistochemistry  
Immunoprecipitation

### Description

Retinoid X receptor alpha (RXR $\alpha$ ; NR2B1) is a member of the orphan nuclear receptor family. 9-cis retinoic acid can bind to RXR. RXR $\alpha$  is expressed in the liver, muscle, lung, kidney, intestine, heart and spleen. RXR $\alpha$  plays roles in a variety of processes including embryonic patterning and organogenesis, cell proliferation and cell differentiation. RXRs commonly function as heterodimers with other members of the nuclear receptor superfamily.

### Preparation

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human RXR $\alpha$  (amino acids 2 - 133) and mouse myeloma cells (NS-1). The IgG fraction of the ascites fluid was purified by ammonium sulfate fractionation.

### Formulation

Lyophilized in phosphate-buffered saline (PBS) with 5% Trehalose.

### Reconstitution

Reconstitute with the desired volume of distilled or deionized water. Reconstitution in 0.1 mL of distilled or deionized water yields an antibody concentration of 1 mg/mL.

### Storage

Lyophilized samples are stable for up to twelve months from date of receipt when stored at 2° - 8° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for up to 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for up to six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### Specificity

This antibody specifically recognizes human RXR $\alpha$ , cross-reacts with rat RXR $\alpha$ , and does not cross-react with human RXR $\beta$  or human RXR $\gamma$ . Not yet tested in other species.

### Applications

**Western Blot** - This antibody can be used at 2  $\mu$ g/mL with the appropriate secondary reagents to detect human RXR $\alpha$ .

**Direct ELISA** - This antibody can be used at 0.1  $\mu$ g/mL with the appropriate secondary reagents to detect human RXR $\alpha$ .

**Immunohistochemistry** - This antibody can be used at 10 - 20  $\mu$ g/mL with the appropriate secondary reagents to detect human RXR $\alpha$ .

**Immunoprecipitation** - Optimal dilutions should be determined by each laboratory.

**Optimal dilutions should be determined by each laboratory for each application.**



### Manufactured by:

Perseus Proteomics, Inc.  
4-7-6, Komaba, Meguro-ku  
Tokyo 153-0041 Japan  
Tel: +81-3-5738-1705  
Fax: +81-3-3481-5760  
E-mail: info@ppmx.com  
<http://www.ppmx.com>

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**R&D Systems, Inc.**  
**1-800-343-7475**