



Monoclonal Anti-human RXR α /NR2B1 Antibody

ORDERING INFORMATION

Catalog Number: PP-K8508-10

Clone: K8508

GenBank: X52773

Ig Class: mouse IgG_{2A}

Size: 100 μ g

Formulation: Lyophilized in phosphate-buffered saline

Reconstitution: Distilled or deionized water

Storage: 2° - 8° C

Specificity: human RXR α

Applications:
Western blot
Direct ELISA
Immunohistochemistry
Immunoprecipitation

Description

Retinoid X receptor alpha (RXR α ; NR2B1) is a member of the orphan nuclear receptor family. 9-cis retinoic acid can bind to RXR. RXR α is expressed in the liver, muscle, lung, kidney, intestine, heart and spleen. RXR α 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 α (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 α , cross-reacts with rat RXR α , and does not cross-react with human RXR β or human RXR γ . Not yet tested in other species.

Applications

Western Blot - This antibody can be used at 2 μ g/mL with the appropriate secondary reagents to detect human RXR α .

Direct ELISA - This antibody can be used at 0.1 μ g/mL with the appropriate secondary reagents to detect human RXR α .

Immunohistochemistry - This antibody can be used at 10 - 20 μ g/mL with the appropriate secondary reagents to detect human RXR α .

Immunoprecipitation - Optimal dilutions should be determined by each laboratory.

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



Manufactured by:

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