

Anti human RXR alpha mouse monoclonal antibody

RXR alpha: Retinoid X Receptor alpha

Code No PP-K8508-00

Clone No. K8508

Lot. A-2

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

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

Nomenclature NR2B1

Genbank X52773

Origin Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human RXR alpha (2-133 aa).

Specificity This antibody specifically recognizes human RXR alpha and cross reacts with mouse and rat RXR alpha. This antibody does not recognize human RXR beta and gamma.

Purification Ammonium sulfate fractionation

Formulation Physiological saline with 0.1% NaN₃ as a preservative.

Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot 2 ug/mL

Non reducing Western Blot Not yet tested

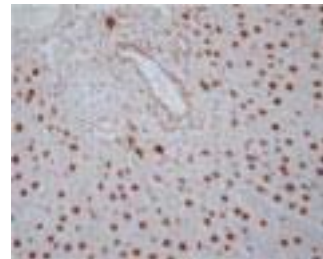
ELISA 0.1 ug/mL

Immunoprecipitation Decide by use

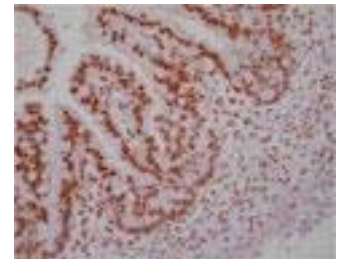
Supershift Assay Decide by use

Chromatin immunoprecipitation Decide by use

Immunohistochemistry 10-20 ug/mL



Rat Liver
Hepatocyte
paraffin section



Rat Embryonic intestine
Epithelial cell
paraffin section

Storage Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.

Reference Suh JM, *et al.* Mol Endocrinol. 2006; 20(12): 3412-20
 Qin J, *et al.* Dev Dyn. 2007; 236(3): 810-20

Notes Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

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Jul 30, 2009