

Anti human RXR beta mouse monoclonal antibody

RXR beta: Retinoid X Receptor beta

Code No PP-H7341-00

Clone No. H7341

Lot. A-2

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

Description Retinoid X receptor beta (RXRb; NR2B2) is a member of orphan nuclear receptor. 9-cis retinoic acid can bind to RXR. RXRb is expressed widespread in most tissues of the embryo, including the central nerves system. Along with other members of the RXR family, RXRb 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 NR2B2

Genbank M84820

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 beta (9-187 aa).

Specificity This antibody specifically recognizes human RXR beta and cross reacts with rat RXR beta. This antibody does not recognize human RXR alpha and gamma. Not yet tested in other species.

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 1 ug/mL

Non reducing Western Blot 1 ug/mL

ELISA 1 ug/mL (A450=1.0)

Immunoprecipitation Decide by use

Supershift Assay Not yet tested

Chromatin immunoprecipitation Not yet tested

Immunohistochemistry Not yet tested

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 Nakamura T, *et al.* Nat Genet. 2004; 36(5): 528-33

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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MADE IN JAPAN

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