

## 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% NaN<sub>3</sub> 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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