

Monoclonal Anti-human LXR β /NR1H2 Antibody

ORDERING INFORMATION

Catalog Number: PP-K8917-00

Clone: K8917

GenBank: U07132

Ig Class: mouse IgG_{2A}

Volume: 100 μ L

Concentration: 1 mg/mL

Formulation: A liquid formulation in physiologic saline with 0.1% NaN₃

Storage: $\leq -20^{\circ}\text{C}$

Specificity: human LXR β

Applications: Western Blot
Direct ELISA
Immunoprecipitation

Description

Liver X Receptor beta (LXR β , UR, NER, RIP15, OR-1; NR1H2) is a member of the Orphan Nuclear Receptor family. LXR β is expressed in a wide variety of tissues including heart, liver, kidney, brain, testis, ovary, adrenal, uterus, prostate, vagina, lung, and spleen. LXRs play an important role in expression of ABC transporters. The protein is expressed as the 50 kDa nuclear form. LXR β forms a heterodimer with Retinoid X Receptor (RXR).

Preparation

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human LXR β (amino acids 2-86) and mouse myeloma cells (NS-1). The IgG fraction of the ascites fluid was purified by ammonium sulfate fractionation.

Formulation

A liquid formulation in physiologic saline with 0.1% NaN₃.

Storage

This antibody is stable for greater than six months when held at -20°C in a **manual defrost freezer** or at -70°C . Upon thawing, the antibody can be stored at $2-8^{\circ}\text{C}$ for at least 1 month without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody specifically recognizes human LXR β and does not cross-react with LXR α . This antibody does not cross-react with rat LXR β . Not yet tested in other species.

Applications

Western Blot - This antibody can be used at 2 μ g/mL under reducing and non-reducing conditions with the appropriate secondary reagents to detect human LXR β .

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

Immunoprecipitation - Optimal dilutions should be determined by each laboratory.

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

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



Manufactured by:
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