Monoclonal
Anti-human ERRβ/NR3B2 Antibody

ORDERING INFORMATION

Catalog Number: PP-H6707-00
Clone: H6707
GenBank: X51417
Ig Class: mouse IgG2A
Volume: 100 µL
Concentration: 1 mg/mL
Formulation: A liquid formulation in physiologic saline (contains 0.1% NaN₃)
Storage: ≤ -20 °C
Specificity: human ERRβ
Applications: Western Blot
Direct ELISA
Immunoprecipitation

Description
Estrogen-Related Receptor beta (ERRβ, ERR2; NR3B2) is a member of the Orphan Nuclear Receptor family. ERRβ is expressed in the cerebellum, cerebrum, intestine, kidney, and retina. ERRβ has a role in early placental development.

Preparation
Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human ERR beta (3 - 100 aa) 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 °C for at least 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

Specificity
This antibody specifically recognizes human ERRβ and does not cross-react with ERRα or ERRγ. Not yet tested in other species.

Applications
Western Blot - This antibody can be used at 1 µg/mL under reducing and non-reducing conditions with the appropriate secondary reagents to detect human ERRβ.

Direct ELISA - This antibody can be used at 0.2 µg/mL with the appropriate secondary reagents to detect human ERRβ.

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.