

Anti human ERR alpha mouse monoclonal antibody

ERR alpha: Estrogen-Related Receptor alpha

Code No PP-H5844-00

Clone No. H5844

Lot. A-2

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

Description Estrogen-related receptor alpha (ERRa, ERR1, ESRL1; NR3B1) is a member of orphan nuclear receptor. ERRa is expressed in liver, kidney, brain, heart, uterus, vagina and cervix. The protein is expressed with a major 53 kDa in the reproductive tissues. ERRa takes part at the cell cycle and the fatty acid metabolizing of the musculus skeleti. ERRa was shown to interact with ERa.

Nomenclature NR3B1

Genbank X51416

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 ERR alpha1 (98-171 aa) .

Specificity This antibody specifically recognizes human ERR alpha and cross reacts with mouse and rat ERR alpha. This antibody does not recognize human ERR 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 1 ug/mL

Non reducing Western Blot 3 ug/mL

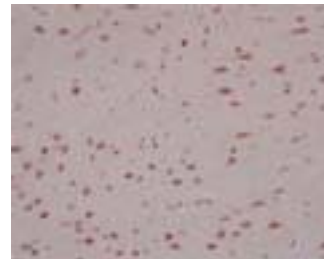
ELISA 0.3 ug/mL

Immunoprecipitation Decide by use

Supershift Assay Not yet tested

Chromatin immunoprecipitatic Not yet tested

Immunohistochemistry 1-10 ug/mL



Rat
Cerebrum
paraffin section



Human Heart
Myocardium
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 Suzuki T, *et al.* Cancer Res. 2004; 64(13): 4670-6

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

May 19, 2010