

Anti human PR isoform B mouse monoclonal antibody

PR isoform B: Progesterone Receptor isoform B

Code No PP-H5344-00

Clone No. H5344

Lot. A-1

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

Description Progesterone receptor (PR; NR3C3) is a member of steroid receptor (GR, AR, MR, ER). PR binds progesterone. PR is expressed in uterus, ovary, vagina, fallopian tubes and breast. PR plays a central role in diverse reproductive events associated with establishment and maintenance of pregnancy, alveolar development in the breast, and sexual behavior. Two isoforms of this receptor have been identified, PR-A and PR-B, 94 and 114 kDa in size, respectively. PR was shown that PR-A and PR-B isoforms can form homodimers as well as heterodimers.

Nomenclature NR3C3

Genbank M15716

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 PR isoform B (2-99 aa) .

Specificity This antibody specifically recognizes human PR isoform B and cross reacts with mouse and rat PR isoform B. This antibody does not recognize human PR isoform A.

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 (A450=0.5)

Immunoprecipitation Decide by use

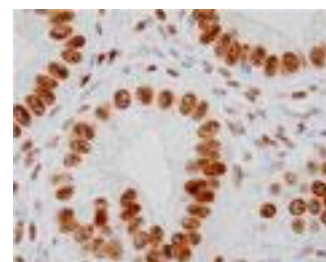
Supershift Assay Not yet tested

Chromatin immunoprecipitation Not yet tested

Immunohistochemistry 10-20 ug/mL



Human Uterus
Endometrial epithelial cell
paraffin section



Human Uterus
Endometrial epithelial cell
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

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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