**Background**

Equally recognizes two proteins: 116kDa (triplet) and 81kDa (singlet), identified as the hormone-binding high (B) and low (A) MW forms of human PgR. Expression of PgR has been suggested to reflect a intact estrogen regulatory machinery and therefore, predict better clinical response to endocrine therapy than ER alone. This antibody is excellent for immunohistochemical staining of formalin/paraffin tissues.

**Ordering Information**

- **Catalog Number**: X1437M
- **Size**: 100 µg
- **Form**: Unconjugated
- **Host/Clone**: Mouse Clone hPRa2 + hPRa3
- **Formulation**: Provided as solution in phosphate buffered saline with 0.08% sodium azide
- **Concentration**: See vial for concentration
- **Isotype**: IgG
- **Applications**: Western Blot, Immunoprecipitation, Immunohistochemistry (Paraffin & Frozen sections), Immunofluorescence
- **Species Reactivity**: Human, Horse, Pig
- **Accession Number**: Human O00264

**Immunogen**

Hybridoma produced by the fusion of splenocytes from RBF/DN mice immunized with PgR from a human endometrial carcinoma (EnCa 101) grown in athymic mice and mouse myeloma HL-1 Friendly cells.

Immunohistochemical staining using progesterone receptor antibody on formalin fixed, paraffin embedded human breast carcinoma.
**Positive Control/Tissue Expression**

T47D or breast carcinoma

**Comments**

This antibody can be used for immunofluorescence, immunoprecipitation (2 µg/mg of protein lysate), Western blotting (1 µg/ml) or immunohistochemistry on frozen and formalin/paraffin embedded tissues (2-4 µg/ml). Optimal concentration should be evaluated by serial dilutions.

**Purification**

Protein A/G Chromatography

**Ship Conditions**

Ship at ambient temperature, freeze upon arrival

**Storage Customer**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**Stability**

Antibody with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

**References**


11. Alexander IE; Clarke CL; Shine J; Sutherland RL. Progestin inhibition of progesterone receptor gene expression in human breast cancer cells. Molecular Endocrinology, 1989 Sep, 3(9):1377-86.


13. Satyaswaroop PG; Zaino RJ; Mortel R. Carcinoma of the endometrium and hormonal receptors. Cancer Treatment...