



BMA BIOMEDICALS

Monoclonal Antibody Progesterone Receptor

To Human / Porcine / Chicken / Rabbit

Monoclonal antibody PR-6A recognizes the Progesterone Receptor in the C-terminal ligand-binding domain. Therefore, it recognizes isoforms A and B. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1449 (Lot 01PO1111)
Clone:	PR-6A
Host species, isotype:	Mouse IgG2a kappa
Quantity:	100µg
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer, and 0.01% (v/v) Kathon™ CG as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution or aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC). Approximate working dilution for IHC: Frozen sections: 2µg/ml (1:100) Paraffin sections: 20g/ml (1:10); pretreatment with Proteinase K for antigen retrieval is recommended Optimal dilutions should be determined by the end user. Suggested positive control: porcine uterus Please see www.bma.ch for protocols and general information.
Immunogen:	Peptide A922 - K933
Protein database:	human-P06401 , pig-Q95250 , chick-P07812 , rat-P06186
Antigen, epitope:	The epitope is located in the C-terminal region.

Antigen distribution: Nuclear hormone receptor, widely expressed.

Specificity: **Human:** Progesterone Receptor.

Other: The immunogen sequence is identical in human, chicken and rabbit. It reacts with pig.

Selected references

Lee KL, Dai Q, Hansen EL, Saner CN, Price TM: Modulation of ATP-induced calcium signaling by progesterone in T47D-Y breast cancer cells. *Mol Cell Endocrinol.* 2010 May 5; 319(1-2): 109-15.

Tetel MJ, Siegal NK, Murphy SD: Cells in behaviourally relevant brain regions coexpress nuclear receptor coactivators and ovarian steroid receptors. *J Neuroendocrinol.* 2007 Apr; 19(4): 262-71.

Price TM, Hansen EL, Oliver TN: Immunofluorescent localization of a novel progesterone receptor(s) in a T47D-Y breast cancer cell line lacking genomic progesterone receptor expression. *J Soc Gynecol Investig.* 2005 Dec; 12(8): 610-6.

Bennett AL, Gréco B, Blasberg ME, Blaustein JD: Response to male odours in progestin receptor- and oestrogen receptor-containing cells in female rat brain. *J. Neuroendocrinol.* 2002 Jun; 14(6): 442-9.

Frye CA: The role of neurosteroids and non-genomic effects of progestins and androgens in mediating sexual receptivity of rodents. *Brain Res Rev.* 2001 Nov; 37(1-3): 201-22.

For in vitro research only. This product contains Kathon™ CG as a preservative.