Datasheet for ABIN969352

# anti-Progesterone Receptor antibody (AA 730-871)

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | Progesterone Receptor (PGR) |
| Binding Specificity: | AA 730-871 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This Progesterone Receptor antibody is un-conjugated |
| Application: | ELISA |

## Product Details

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|---|---|
| Purpose: | PGR Antibody |
| Immunogen: | Purified recombinant fragment of PGR (aa730-871) expressed in E. Coli. |
| Clone: | 8A11H1 |
| Isotype: | IgG1 |
| Purification: | Ascitic fluid |

## Target Details

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|---|---|
| Target: | Progesterone Receptor (PGR) |
| Alternative Name: | PGR (PGR Products) |
| Background: | PGR: progesterone receptor. This gene encodes a member of the steroid receptor superfamily. |

## Target Details

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| | The encoded protein mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. This gene uses two distinct promotors and translation start sites in the first exon to produce two isoforms, A and B. The two isoforms are identical except for the additional 165 amino acids found in the N-terminus of isoform A only, and mediate their own response genes and physiologic effects with little overlap. The location of transcription initiation for isoform B has not been clearly determined. |
| Gene ID: | 5241 |
| UniProt: | P06401 |
| Pathways: | Nuclear Receptor Transcription Pathway, Intracellular Steroid Hormone Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway, Smooth Muscle Cell Migration |

## Application Details

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| Application Notes: | ELISA: 1/10000 |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Buffer: | Ascitic fluid containing 0.03 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Publications

| | |
|---|---|
| Product cited in: | LEplattenier, Lai, van den Ham, Mol, van Sluijs, Teske: "Regulation of COX-2 expression in canine prostate carcinoma: increased COX-2 expression is not related to inflammation." in: **Journal of veterinary internal medicine / American College of Veterinary Internal Medicine**, Vol. 21, Issue 4, pp. 776-82, (2007) (PubMed). |

## Publications

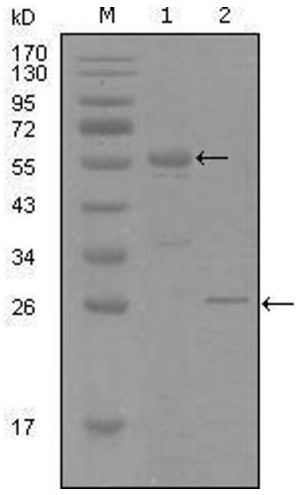
Yin, Lin, Cheng, Marsh, Utsunomiya, Ishikawa, Xue, Reierstad, Innes, Thung, Kim, Xu, Bulun: " Progesterone receptor regulates Bcl-2 gene expression through direct binding to its promoter region in uterine leiomyoma cells." in: **The Journal of clinical endocrinology and metabolism**, Vol. 92, Issue 11, pp. 4459-66, (2007) (PubMed).

Saito, Ito, Nagase, Suzuki, Akahira, Okamura, Yaegashi, Sasano: "Progesterone receptor isoforms as a prognostic marker in human endometrial carcinoma." in: **Cancer science**, Vol. 97, Issue 12, pp. 1308-14, (2006) (PubMed).

Tung, Abdel-Hafiz, Shen, Harvell, Nitao, Richer, Sartorius, Takimoto, Horwitz: "Progesterone receptors (PR)-B and -A regulate transcription by different mechanisms: AF-3 exerts regulatory control over coactivator binding to PR-B." in: **Molecular endocrinology (Baltimore, Md.)**, Vol. 20 , Issue 11, pp. 2656-70, (2006) (PubMed).

Buser, Gass-Handel, Wyszomierski, Doppler, Leonhardt, Schaack, Rosen, Watkin, Anderson, Edwards: "Progesterone receptor repression of prolactin/signal transducer and activator of transcription 5-mediated transcription of the beta-casein gene in mammary epithelial cells." in: **Molecular endocrinology (Baltimore, Md.)**, Vol. 21, Issue 1, pp. 106-25, (2006) (PubMed).

## Images




**Western Blotting**

**Image 1.** Western blot analysis using PGR mouse mAb against truncated MBP-PGR recombinant protein (1) and truncated Trx-PGR(aa730-871) recombinant protein (2).