

AM11188PU-S

Monoclonal Antibody to Progesterone receptor (412-526) - Supernatant

Alternate names:	NR3C3, Nuclear Receptor Subfamily 3 Group C Member 3, PGR, PR
Quantity:	0.1 ml
Background:	The progesterone receptor (PgR) is an estrogen-regulated protein. It has been proposed that expression of PgR determination indicates a responsive estrogen receptor (ER) pathway, and therefore, may predict likely response to endocrine therapy in human breast cancer. A number of studies have shown that PgR determination provides supplementary information to ER, both in predicting response to endocrine therapy and estimating survival. PgR has proved superior to ER as a prognostic indicator in some studies.
Uniprot ID:	P06401
NCBI:	9606
GeneID:	5241
Host:	Rabbit
Clone:	SP2
Immunogen:	Recombinant protein encoding Human Progesterone receptor aa 412-526. Remarks: Epitope: aa 412-526. Molecular Weight: 116kDa.
Format:	State: Liquid Tissue Culture Supernatant with 0.09% Sodium Azide as preservative.
Applications:	Western Blot: Use at 1/50 for 1 hour at RT. Immunohistochemistry on Paraffin Sections: 1/400 for 30 min at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween. Positive Control: Breast carcinoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This monoclonal anti-Human Progesterone Receptor antibody (Clone SP2) reacts with progesterone receptor forms alpha and beta. It stains nuclei in breast, ovarian and endometrial epithelia, as well as myometrial nuclei. The progesterone receptor (PgR) is an estrogen-regulated protein. It has been proposed that expression of PgR determination indicates a responsive estrogen receptor (ER) pathway. Cellular Localization: Nucleus.
Species Reactivity:	Tested: Human.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.

General Readings:

1. Rocha R, Nunes C, Rocha G, Oliveira F, Sanches F, Gobbi H. Rabbit monoclonal antibodies show higher sensitivity than mouse monoclonals for estrogen and progesterone receptor evaluation in breast cancer by immunohistochemistry. *Pathol Res Pract*. 2008;204(9):655-62. doi: 10.1016/j.prp.2008.03.010. Epub 2008 Jun 18. PubMed PMID: 18565685.
2. Huang Z, Zhu W, Meng Y, Xia H. Development of new rabbit monoclonal antibody to progesterone receptor (Clone SP2): no heat pretreatment but effective for paraffin section immunohistochemistry. *Appl Immunohistochem Mol Morphol*. 2006 Jun;14(2):229-33. PubMed PMID: 16785796.
3. Cano G, Milanezi F, Leitão D, Ricardo S, Brito MJ, Schmitt FC. Estimation of hormone receptor status in fine-needle aspirates and paraffin-embedded sections from breast cancer using the novel rabbit monoclonal antibodies SP1 and SP2. *Diagn Cytopathol*. 2003 Oct;29(4):207-11. PubMed PMID: 14506673.

Pictures:

AM11188PU Progesterone Receptor antibody staining of Human breast carcinoma.

