Recombinant Progesterone Receptor (Marker of Progestin Dependence) Antibody

Rabbit Monoclonal Antibody [Clone MSVA-570R]

Catalog No	Format	Size
5241-RBM20-P0	Purified Ab with BSA and Azide	20 ug
5241-RBM20-P1	Purified Ab with BSA and Azide	100 ug

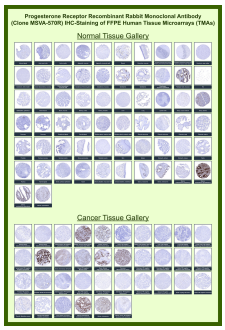
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:50-1:100	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:50 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-570R
Immunogen	Recombinant fragment (around aa 1-200) of human PGR (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	PR-A (81kDa) and PR-B (116kDa).
Cellular Localization	Cytoplasm, Mitochondrion outer membrane, Nucleus
Species Reactivity	Human
Positive Control	Uterine cervix: almost all columnar epithelial cells, basal squamous epithelial cells and most of the stromal cells must show a strong nuclear staining with only minimal cytoplasmic staining.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Progesterone Receptor (Marker of Progestin Dependence) Antibody



Progesterone receptor Rabbit Recombinant Monoclonal Antibody (MSVA-570R)tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

Specificity & Comments

Progesterone is one of the central regulators of female reproduction. In breast development, progesterone is involved in the formation of lobular-alveolar structures and also affects differentiation in the breast by modulation of milk protein synthesis. The cellular effects of progesterone are mediated through progesterone receptors (PR). PR, a protein with 946 amino acids, is a ligand-activated transcription factor member of the steroid receptor super family of nuclear receptors. PR is predominantly expressed in female sex steroid responsive tissues such as the mammary gland, uterus and ovary but is also found in other tissues such as endocrine cells of the Langerhans' islets. The estrogen receptor (ER) and PR status has been used for over 20 years as a predictor of breast carcinoma responsiveness to endocrine therapy and as a prognostic indicator for early recurrence.

Supplied As

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Breast Cancer, Cardiovascular, Signal Transduction, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.