Progesterone Receptor Ab-8 (Clone hPrA 2+hPrA 3)
Mouse Monoclonal Antibody
Cat. #MS-298-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)
Cat. #MS-298-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)
Cat. #MS-298-R7 (7.0ml) (Ready-to-Use for Immunohistochemistry)
Cat. #MS-298-RQ (12.0ml) (Ready-to-Use for Immunohistochemistry)
Cat. #MS-298-PCS (5 Slides) (Positive Control for Histology)
Cat. #MS-298-PCL (0.1ml) (Positive Control for Western Blot)

**Description:** Human PgR exists in two forms: 116kDa (B-form) and 81kDa (A-form). It acts as ligand activated transcription factor to regulate expression of the target genes. Null mutation in PgR gene leads to pleiotropic reproductive abnormalities. Expression of PgR has been suggested to reflect an intact estrogen regulatory machinery and therefore, predict better clinical response to endocrine therapy than ER alone.

**Comments:** Ab-8 is excellent for immunohistochemistry of formalin/paraffin tissues. Ab-8 is occasionally expressed on nuclei of melanoma tissues.

**Mol. Wt. of Antigen:** 116kDa (B-form) and 81kDa (A-form)

**Epitope:** N-terminal half of human PgR

**Species Reactivity:** Human, Horse, Sheep and Pig. Others not known.

**Clone Designation:** hPrA 2+hPrA 3

**Ig Isotype / Light Chain:** IgG1 / κ + IgG1 / κ

**Immunogen:** PgR from a human endometrial carcinoma (EnCa 101) grown in athymic mice.

**Applications and Suggested Dilutions:**
- Immunofluorescence
- Immunoprecipitation (Native and denatured) (Use Protein G; Ab at 2µg/mg protein lysate)
- Western Blotting (Ab 1-2µg/ml for 2hrs at RT)
- Sedimentation in Sucrose Gradient
- Immunohistology (Formalin/paraffin)

Use Ab 1:25 - 1:50 for 60 min at RT using UltraVision LP Detection Systems
* [Staining of formalin/paraffin tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, (Lab Vision Cat. #AP-9003) for 10-20 min followed by cooling at RT for 20 min]

Use Ab 1:100 for 20 min at RT using UltraVision Quanto Detection Systems
* [Staining of formalin/paraffin tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, (Lab Vision Cat. #AP-9003) for 10-20 min followed by cooling at RT for 20 min]

The optimal dilution for a specific application should be determined by the investigator.

**Positive Control:** T47D or breast Carcinoma.

**Cellular Localization:** Nuclear

**Supplied As:**
200µg/ml of Ab purified from the ascites fluid by Protein G chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
Also available without BSA and azide at 1mg/ml, or Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

**Storage and Stability:**
Ab 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.

**Key References:**

**Limitations and Warranty:**
Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Lab Vision is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

**Material Safety Data:**
This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing...
Progesterone Receptor Ab-8 (Clone hPRa 2+hPRa 3)

Mouse Monoclonal Antibody
Cat. #MS-298-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200 µg/ml) (Purified Ab with BSA and Azide)
Cat. #MS-298-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)
Cat. #MS-298-RQ (12.0ml) (Ready-to-Use for Immunohistochemistry)
Cat. #MS-298-R7 (7.0ml)
Cat. #MS-298-PCL (0.1ml) (Positive Control for Western Blot)
Cat. #MS-298-PCS (5 Slides) (Positive Control for Histology)

For Research Use Only

Additional Key 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.
19. Clarke CL; Feil PD; Satyaswaroop PG. Progesterone receptor regulation by 17 beta-estradiol in human...
Progesterone Receptor Ab-8 (Clone hPRa 2+hPRa 3)
Mouse Monoclonal Antibody
Cat. #MS-298-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)
Cat. #MS-298-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)
Cat. #MS-298-R7 (7.0ml) (Ready-to-Use for Immunohistochemistry)
Cat. #MS-298-RQ (12.0ml) (Ready-to-Use for Immunohistochemistry)
Cat. #MS-298-PCS (5 Slides) (Positive Control for Histology)
Cat. #MS-298-PCL (0.1ml) (Positive Control for Western Blot)

Please note this data sheet has been changed effective July 09, 2012