OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AM50154PU-S Monoclonal Antibody to Progesterone receptor - Purified

Alternate names:	NR3C3, Nuclear Receptor Subfamily 3 Group C Member 3, PGR, PR
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Uniprot ID:	P06401
NCBI:	9606
GeneID:	5241
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	SPM566
Immunogen:	Recombinant human Progesterone Receptor protein. **Genename:** PGR
Format:	**State:** Liquid purified IgG fraction from Bioreactor Concentrate **Purification:** Protein A/G Chromatography **Buffer System:** 10mM PBS **Preservatives:** 0.05% Sodium Azide **Stabilizers:** 0.05% BSA
Applications:	**Western Blotting:** 0.5-1 µg/ml for 2 hours at RT. **Immunohistochemistry on Frozen and Formalin-Fixed Sections:** 0.5-1.0 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. ***Recommended Positive Control***: T47-D Cells or Breast Cancers. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	PR-A (81kDa) and PR-B (116kDa).
Specificity:	This Monoclonal Antibody is specific to Progesterone Receptor and shows minimal cross-reaction with other members of the family. Progesterone receptor is expressed as two major isoforms, PR-A (81kDa) and PR-B (116kDa). Expression of PgR has been suggested to reflect a intact estrogen regulatory machinery and therefore, predict better clinical response to endocrine therapy than ER alone. This Clone It is excellent for immunohistochemical staining of formalin/paraffin tissues. ***Cellular Localization***: Nuclear. **Species:** Human. Other species not tested.
Storage:	Store undiluted at 2-8°C. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

General Readings:

1. Press M, Spaulding B, Groshen S, Kaminsky D, Hagerty M, Sherman L, et al. Comparison of different antibodies for detection of progesterone receptor in breast cancer. Steroids. 2002 Aug;67(9):799-813. PubMed PMID: 12123792.
2. Mote PA, Johnston JF, Manninen T, Tuohimaa P, Clarke CL. Detection of progesterone receptor forms A and B by immunohistochemical analysis. J Clin Pathol. 2001 Aug;54(8):624-30. PubMed PMID: 11477119.

Pictures:

Formalin-paraffin normal human breast carcinoma stained with Progesterone Receptor Antibody AM50154PU (Clone SPM566).