

Datasheet for ABIN6940299

**anti-Progesterone Receptor antibody (AA 483-571)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Progesterone Receptor (PGR)
Binding Specificity:	AA 483-571
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Progesterone Receptor antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant fragment of human Progesterone Receptor (PGR) protein (around aa 483-571) (exact sequence is proprietary)
Clone:	PGR-2694
Isotype:	IgG1 kappa
Specificity:	This MAb 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 (81 kDa) and PR-B (116 kDa). Expression of PgR has been suggested to reflect a intact estrogen regulatory machinery and therefore, predict better clinical response to endocrine therapy than estrogen receptor (ER) alone. This MAb is excellent for immunohistochemical staining of formalin-fixed tissues.
Purification:	Purified by Protein A/G

## Target Details

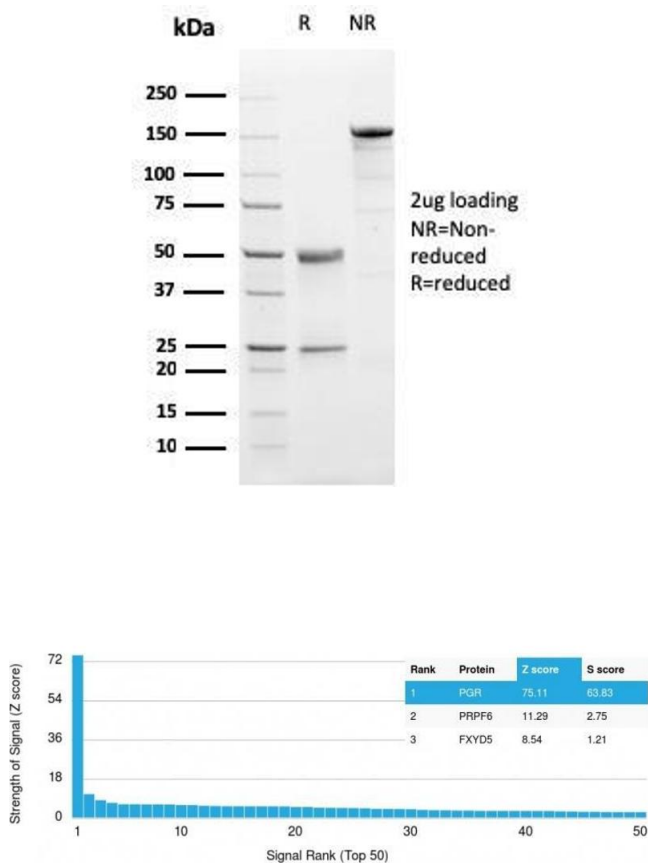
Target:	Progesterone Receptor (PGR)
Alternative Name:	PGR ( <a href="#">PGR Products</a> )
Molecular Weight:	PR-A (81kDa) and PR-B (116kDa).
Gene ID:	5241
UniProt:	<a href="#">P06401</a>
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Smooth Muscle Cell Migration</a>

## Application Details

Application Notes:	Positive Control: T47-D cells. Endometrial or Breast Carcinoma.  Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT) (our BEST clone)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

## Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % 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,-80 °C
Storage Comment:	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.
Expiry Date:	24 months

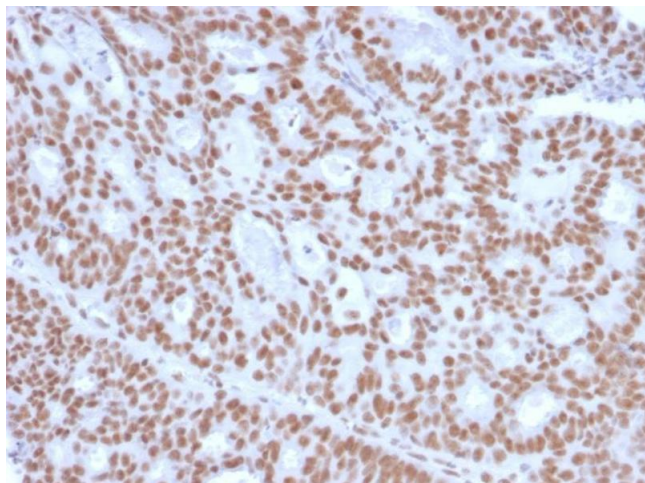


**SDS-PAGE**

**Image 1.** SDS-PAGE Analysis Purified Progesterone Receptor Mouse Monoclonal Antibody (PGR/2694). Confirmation of Purity and Integrity of Antibody.

**Protein Array**

**Image 2.** Analysis of Protein Array containing more than 19,000 full-length human proteins using Progesterone Receptor Mouse Monoclonal Antibody (PGR/2694). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with Progesterone Receptor Mouse Monoclonal Antibody (PGR/2694).