

Datasheet for 900-C01-B36**Progesterone Receptor Antibody****Overview**

Description:	Anti-Progesterone Receptor (RABBIT) Monoclonal Antibody - 900-C01-B36
Item No.:	900-C01-B36
Size:	100 µL
Applications:	IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The PGR gene encodes a member of the steroid receptor superfamily referred to as progesterone receptor (also known as PgR, PR and nuclear receptor subfamily 3 group C member 3). Progesterone receptor mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. This gene uses two distinct promoters and translation start sites in the first exon to produce two isoforms, A and B. The two isoforms are identical except for the additional 165 amino acids found in the N-terminus of isoform A only, and mediate their own response genes and physiologic effects with little overlap. Ideal for Cancer, Chromatin & Nuclear Signaling and Signal Transduction research.
Synonyms:	rabbit anti-Progesterone Receptor Antibody, PgR, PR, nuclear receptor subfamily 3 group C member 3
Host Species:	Rabbit
Clonality:	Monoclonal
Clone ID:	SP2
Format:	CCS

Target Details

Gene Name:	PGR
Reactivity:	Human
Immunogen Type:	Recombinant Protein

Immunogen:	Anti-Progesterone Receptor monoclonal antibody was produced by repeated immunizations with a recombinant protein corresponding to amino acid residues 412-526 of human Progesterone Receptor protein. The hybridoma was produced by fusing New Zealand White rabbit splenocytes and myeloma cells using conventional technology.
Purity/Specificity:	This product is clarified tissue culture supernate. The antibody is specific for human Progesterone Receptor protein. Cross-reactivity with Progesterone Receptor protein from other sources has not been determined.
Relevant Links:	• NCBI - P06401.4 • UniProtKB - P06401 • GeneID - 5241

Application Details

Tested Applications:	IHC
Application Note:	This monoclonal antibody contains TBS/1% BSA. Anti-Progesterone Receptor has been tested in IHC and is suitable for ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 116 kDa in size corresponding to PgR isoform B (the 'canonical' sequence) protein by western blotting in the appropriate cell lysate or extract. Progesterone Receptor is found in human Breast ductal carcinoma and is a nuclear protein. For immunohistochemistry, samples should be formalin fixed and paraffin embedded. Deparaffinize slides using xylene or xylene alternatives and graded alcohols. Staining requires boiling of sections in 10 mM citrate buffer pH 6.0 for 10 min followed by cooling at RT for 20 min.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IHC:	1:400
WB:	1:200-1:500

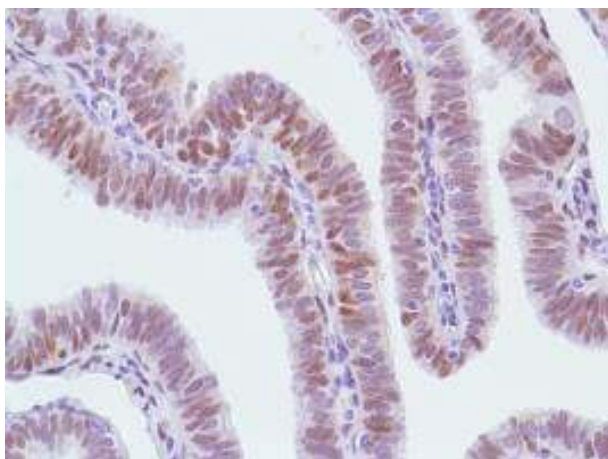
Formulation

Physical State:	Liquid (sterile filtered)
Buffer:	See application note.
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

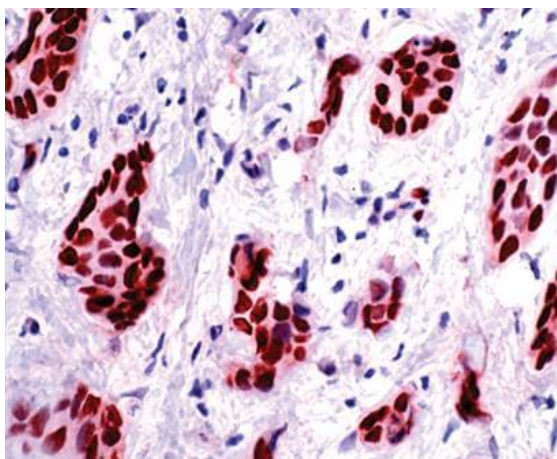
Shipping Condition:	Wet Ice
Storage Condition:	Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of Progesterone Receptor (PR) monoclonal antibody. Tissue: formalin-fixed, paraffin-embedded normal Human Fallopian Tube.



Immunohistochemistry

Immunohistochemistry of Progesterone Receptor (PR) monoclonal antibody. Tissue: formalin-fixed, paraffin-embedded Human Breast Carcinoma. Staining: Nuclear localization.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.