

For Research Use Only

# Progesterone Receptor Monoclonal antibody

Catalog Number: 66300-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 66300-1-Ig	<b>GenBank Accession Number:</b> NM_000926	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5241	<b>CloneNo.:</b> 3D1D12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P06401	<b>Recommended Dilutions:</b> IHC 1:5000-1:15000
<b>Isotype:</b> IgG1	<b>Full Name:</b> progesterone receptor	
<b>Immunogen Catalog Number:</b> AG22992	<b>Calculated MW:</b> 933 aa, 99 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human breast cancer tissue,
<b>Cited Applications:</b> IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

PGR (Progesterone Receptor), also named as NR3C3 and PR, belongs to the nuclear hormone receptor family and NR3 subfamily. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Progesterone receptor isoform B (PRB) is involved activation of c-SRC/MAPK signaling on hormone stimulation. The ER and PR status has been used as a predictor of breast carcinoma responsiveness to endocrine therapy and as a prognostic indicator for early recurrence.

## Notable Publications

Author	Pubmed ID	Journal	Application
Dan Shu	36194178	Ann Med	IHC
Jiaojiao Wang	28765906	Mol Med Rep	IHC

## Storage

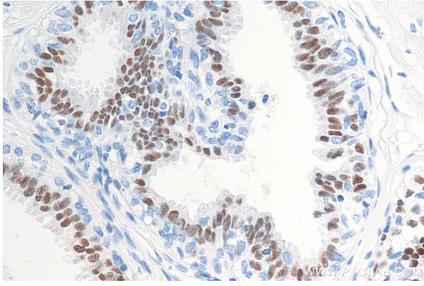
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

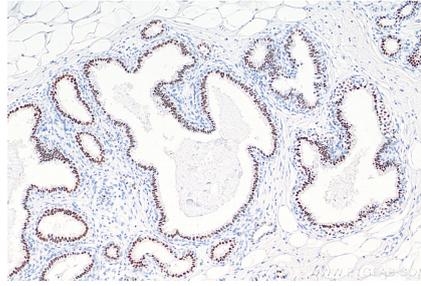
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

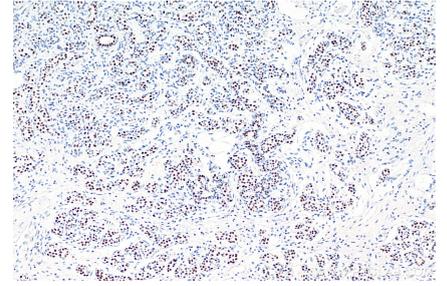
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66300-1-Ig (Progesterone Receptor antibody) at dilution of 1:9900 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66300-1-Ig (Progesterone Receptor antibody) at dilution of 1:9900 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66300-1-Ig (Progesterone Receptor antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).