

# Biotin-conjugated Progesterone Receptor Monoclonal antibody

Catalog Number: Biotin-66300

## Basic Information

Catalog Number: Biotin-66300	GenBank Accession Number: NM_000926	Purification Method: Protein G purification
Concentration: 1000 ug/ml	GeneID (NCBI): 5241	CloneNo.: 3D1D12
Source: Mouse	UNIPROT ID: P06401	Recommended Dilutions: IHC 1:500-1:2000
Isotype: IgG1	Full Name: progesterone receptor	
Immunogen Catalog Number: AG22992	Calculated MW: 933 aa, 99 kDa	

## Applications

Tested Applications: IHC	Positive Controls:
Species Specificity: human	IHC : human ovary tumor tissue, human breast cancer tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

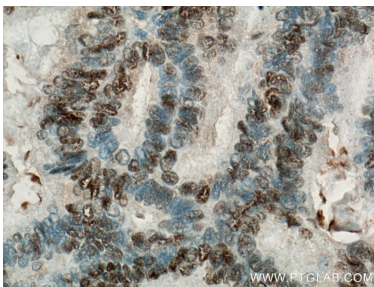
## Background Information

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.

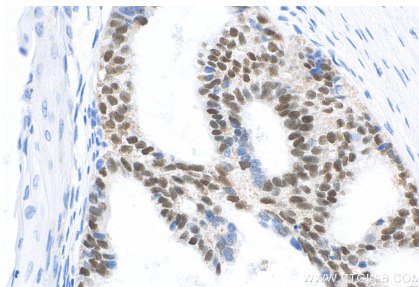
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

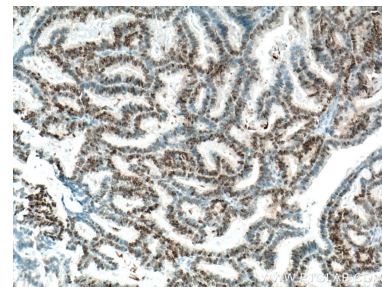
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using Biotin-66300 (PR antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using Biotin-66300 (Progesterone Receptor antibody) at dilution of 1:1000 (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 Biotin-66300 (PR antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).