

## Progesterone Receptor antibody [N1], N-term

## Cat. No. GTX116051

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	ICC/IF, IHC-P
Reactivity	Human

References ( 1 )

Package

100 µl, 25 µl

## PRODUCT

## Summary

The progesterone receptor (PR) is a well-known estrogen receptor (ER) target gene that is expressed in over two-thirds of ER-positive breast cancers. PR protein has a predicted molecular weight of 99kDa. It acts as a transcriptional regulator and activator of signal transduction pathways (i.e., MAPK, PI3K/Akt, and c-Src) that can drive proliferative signaling in breast cancer cells.

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000

Not tested in other applications.

## Properties

Form	Liquid
Buffer	0.1M Tris, 0.1M Glycine, 10% Glycerol
Preservative	0.01% Thimerosal
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.33 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human Progesterone Receptor. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated



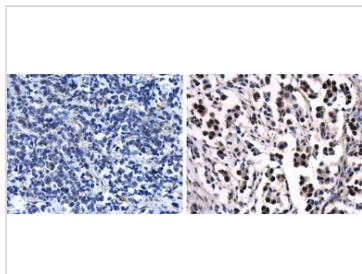
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**Note**

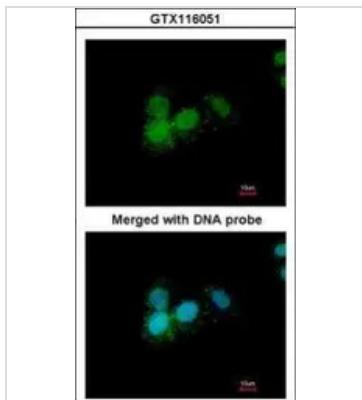
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**DATA IMAGES****GTX116051 IHC-P Image**

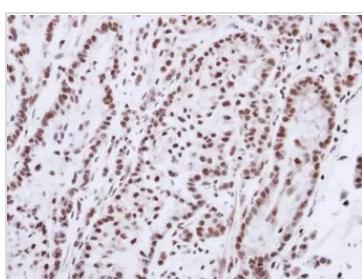
Immunohistochemical analysis of paraffin-embedded human breast cancer using Progesterone Receptor antibody (GTX116051) diluted at 1:500.

Representative data showing negative staining in PR-negative breast cancer (left) and nuclear staining in PR-positive breast cancer (right).

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

**GTX116051 ICC/IF Image**

Immunofluorescence analysis of paraformaldehyde-fixed A549, using Progesterone receptor(GTX116051) antibody at 1:200 dilution.

**GTX116051 IHC-P Image**

Immunohistochemical analysis of paraffin-embedded A549 xenograft, using Progesterone receptor(GTX116051) antibody at 1:100 dilution.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



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