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 4ºC. For long-term storage, aliquot and store at -20ºC 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

For full product information, images and publications, please visit our website.

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Note

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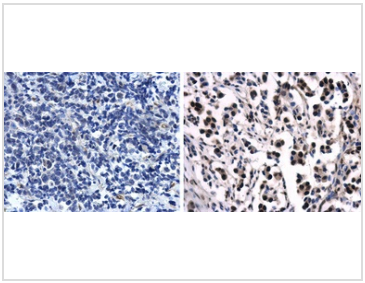
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

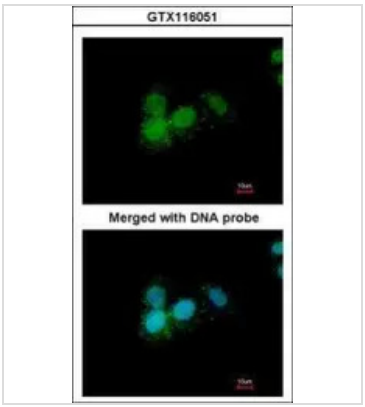
DATA IMAGES



GTX116051 IHC-P Image

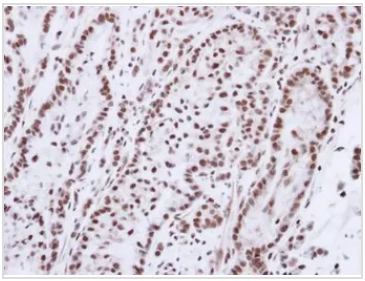
Immunohistochemical analysis of paraffin-embedded human breast cancer using Progesterone Receptor antibody (GTX116051) diluted at 1:500.
Representative data showing negative staining in PR-negative breast cancer (left) and nuclear staining in PR-positive breast cancer (right).

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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