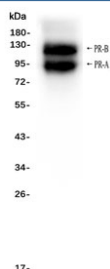


## Progesterone Receptor Antibody / Isoforms A & B (R31442)

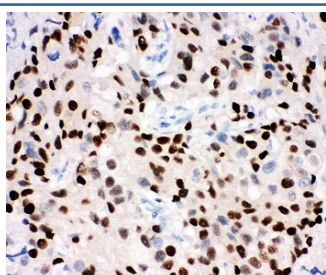
Catalog No.	Formulation	Size
R31442	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	P06401
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This Progesterone Receptor antibody is available for research use only.



Western blot testing of human T-47D cell lysate with Progesterone Receptor antibody.  
Expected molecular weight: 82-94 kDa (PR-A) and 99-120 kDa (PR-B).



IHC-P: Progesterone Receptor antibody testing of human breast cancer tissue

## Description

The progesterone receptor (PR) is an intracellular steroid receptor that specially binds progesterone in humans. It is encoded by a single PGR gene residing on chromosome 11q22. The PR gene uses separate promoters and translational start sites to produce 2 isoforms, PRA and PRB, which are identical except for an additional 165 amino acids present only in the N terminus of PRB. It can be observed in human breast tissues. The proteins function as dimeric molecules in nuclei to regulate the transcription of target genes in a ligand-responsive manner.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Progesterone Receptor antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 595-933) was used as the immunogen for this Progesterone Receptor antibody.

## Storage

After reconstitution, the Progesterone Receptor antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.