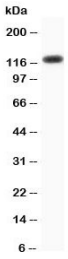
Progesterone Receptor Antibody / Isoforms A & B (R30483)

Catalog No.	Formulation	Size
R30483	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

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



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

Description

The progesterone receptor (PR) is an intracellular steroid receptor that specially binds progesterone in humans. PR has been a member of the steroid receptor superfamily. It is encoded by a single PGR gene residing on chromosome 11q22. The PGR 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

An amino acid sequence from the middle region of human Progesterone Receptor (QVYPPYLNYLRPDSEASQ) was used as the immunogen for this Progesterone Receptor antibody (100% homologous in human, mouse and rat).

Storage

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

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