

PR Polyclonal antibody

Catalog Number: 25871-1-AP

17 Publications

Basic Information

Catalog Number:

25871-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22986

GenBank Accession Number:

NM_000926

GeneID (NCBI):

5241

UNIPROT ID:

P06401

Full Name:

progesterone receptor

Calculated MW:

933 aa, 99 kDa

Observed MW:

80 kDa, 110-115 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse

Cited Species:

human, goat, rat, mouse

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

Positive Controls:

IHC : human breast cancer tissue, human ovary tumor tissue

IF : T-47D cells,

Background Information

PGR, 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Jumin Park	34551427	Nucleic Acids Res	IF, WB
Guanying Feng	32873626	Mol Cancer Res	WB
Christopher Khayeka-Wandabwa	34725776	Breast Cancer Res Treat	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

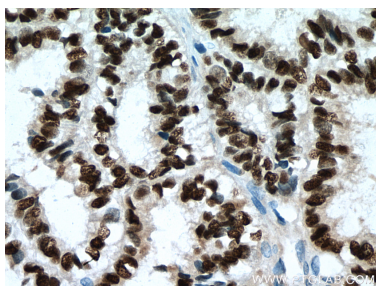
For technical support and original validation data for this product please contact:

T: 4006900926

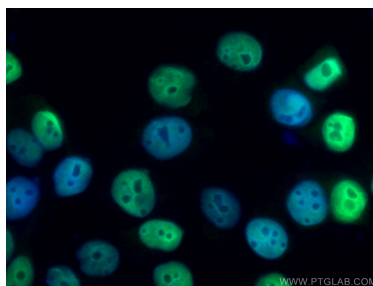
E: Proteintech-CN@ptglab.comW: ptgcn.com

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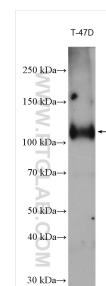
Selected Validation Data



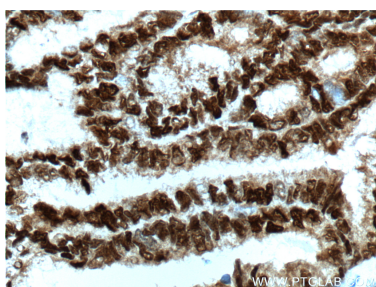
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 25871-1-AP (PR antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed T-47D cells using PR antibody (25871-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



T-47D cells were subjected to SDS PAGE followed by western blot with 25871-1-AP (PR antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 25871-1-AP (PR Antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).