

PR Polyclonal antibody

Catalog Number: 19980-1-AP

Basic Information

Catalog Number:

19980-1-AP

Size:

150 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000926

GeneID (NCBI):

5241

UNIPROT ID:

P06401

Full Name:

progesterone receptor

Calculated MW:

933 aa, 99 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF/ICC 1:20-1:200

Applications

Tested Applications:

IF/ICC, IHC, ELISA

Species Specificity:

human

Positive Controls:

IHC : human breast cancer tissue,

IF/ICC : MCF-7 cells,

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

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.

Storage

Storage:

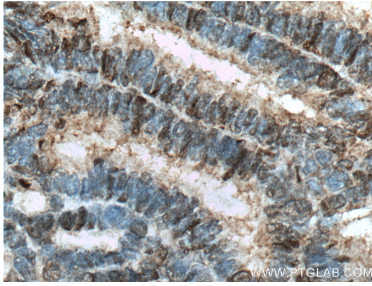
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

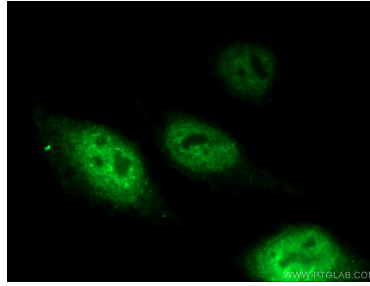
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19980-1-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 MCF-7 cells using 19980-1-AP (PR antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).