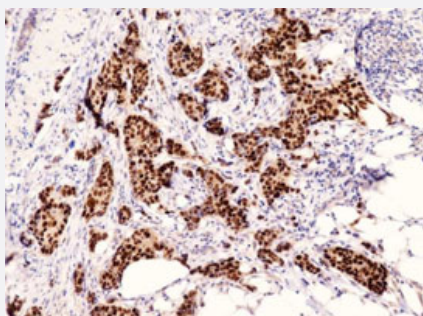


PGR monoclonal antibody, clone A21-W

Catalog # MAB9785 Size 500 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast carcinoma tissue (4 µm) stained with PGR monoclonal antibody, clone A21-W (Cat # MAB9785) shows strong positive nuclear immunostaining of tumor cells.

Kindly performed and provided by Katarina Poliaková, MD and L'ubomir Straka, MD, Ph. D. from Clinical Pathology Presov, Ltd., Presov, Slovakia.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of PGR.
Immunogen	A synthetic peptide corresponding to N-terminus of human PGR.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl, pH 8.0 (20 mg/mL BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunohistochemistry (Frozen sections)

Gene Info — PGR

Entrez GeneID [5241](#)

Protein Accession# [P06401](#)

Gene Name PGR

Gene Alias NR3C3, PR

Gene Description progesterone receptor

Omim ID [607311](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the steroid receptor superfamily. The encoded protein mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. This gene uses two distinct promoters and translation start sites in the first exon to produce two isoforms, A and B. The two isoforms are identical except for the additional 165 amino acids found in the N-terminus of isoform A only, and mediate their own response genes and physiologic effects with little overlap. The location of transcription initiation for isoform B has not been clearly determined. [provided by RefSeq]

Other Designations -

Publication Reference

- [Transcriptional repressor tbx3 is required for the hormone-sensing cell lineage in mammary epithelium.](#)

Kunasegaran K, Ho V, Chang TH, De Silva D, Bakker ML, Christoffels VM, Pietersen AM.

PloS One 2014 Oct; 9(10):e110191.

Application: IF, Mouse, Thoracic mammary glands

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Adhesions](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Edema](#)
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- [Endometriosis](#)
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- [Infection](#)
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- [Werner syndrome](#)