Mouse PGR Monoclonal Antibody | anti-PGR antibody

PGR (Progesterone Receptor, NR3C3, PR) (PE)

CATALOG #	HOST	APPLICATIONS
AAA26591	**Mouse**	**Immunofluorescence, Immunohistochemistry, Western Blot**

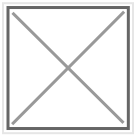
PRODUCT SYNONYMS

PGR; Monoclonal Antibody; PGR (Progesterone Receptor; NR3C3; PR) (PE); Progesterone Receptor; PR; anti-PGR antibody

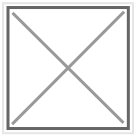
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4.0e+9
Specificity	Recognizes PGR.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable Applications for anti-PGR antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	PGR (NP_000917, 1aa-110aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MTELKAKGPRAPHVAGGPPSPEVGSPLLCRPAAGPFPGSQTSDTLPEVSAIPISLDGLLFPRPCQGQDPSDEKTQDQQSLSDVEGAYSRAEATRGAGGS
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifu vial prior to removing the cap.

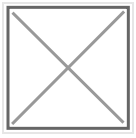
IMAGES



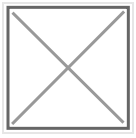
Application Data
Detection limit for recombinant GST tagged PGR is approximately 0.03ng/ml as a capture antibody.



WB (Western Blot)
PGR monoclonal antibody (M08), clone 4E9 Western Blot analysis of PGR expression in MCF-7 (Cat # L046V1).



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to PGR on MCF-7 cell. [antibody concentration 10 ug/ml]



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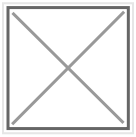
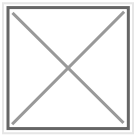


IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to PGR on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]



Application Data
Immunoperoxidase of monoclonal antibody to PGR on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]

ADDITIONAL INFORMATION

Related Product Information for anti-PGR antibody	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 promotors 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]
Product Categories/Family for anti-PGR antibody	Antibodies; Receptors
References	1. Comparison of estrogenic responses in bone and uterus depending on the parity status in Lewis rats. Keiler AM, Bernhardt R, Scharnweber D, Jarry H, Vollmer G, Zierau O.J Steroid Biochem Mol Biol. 2012 Sep 29. pii: S0960-0760(12)00189-6. doi: 10.1016/j.jsbmb.2012.09.023.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611914
NCBI GeneID	5241
NCBI Accession #	NP_000917
NCBI GenBank Nucleotide #	NM_000926
UniProt Accession #	P06401; Q8TDS3; Q9UPF7; A7LQ08; A7X8B0; B4E3T0
Molecular Weight	87,747 Da
NCBI Official Full Name	progesterone receptor isoform B
NCBI Official Synonym Full Names	progesterone receptor
NCBI Official Symbol	PGR
NCBI Official Synonym Symbols	PR; NR3C3
NCBI Protein Information	progesterone receptor; nuclear receptor subfamily 3 group C member 3
UniProt Protein Name	Progesterone receptor
UniProt Gene Name	**PGR**
UniProt Synonym Gene Names	NR3C3; PR
UniProt Entry Name	PRGR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/pgr-antibody-clone-4-0e-9-immunofluorescence-immunohistochemistry-western-blot-elisa/26591