

PGRMC1 / MPR Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS16276**Specification**

PGRMC1 / MPR Antibody (C-Terminus) - Product Information

Application	WB, IHC
Primary Accession	O00264
Reactivity	Human, Monkey, Pig
Host	Goat
Clonality	Polyclonal
Calculated MW	22kDa KDa

PGRMC1 / MPR Antibody (C-Terminus) - Additional Information**Gene ID** 10857**Other Names**

Membrane-associated progesterone receptor component 1, mPR, PGRMC1, HPR6.6, PGRMC

Target/Specificity

Human PGRMC1.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

PGRMC1 / MPR Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

PGRMC1 / MPR Antibody (C-Terminus) - Protein Information**Name** PGRMC1 ([HGNC:16090](#))**Function**

Component of a progesterone-binding protein complex (PubMed:28396637). Binds progesterone (PubMed:25675345). Has many reported cellular functions (heme homeostasis, interaction with CYPs). Required for the maintenance of uterine histoarchitecture and normal female reproductive lifespan (By similarity). Intracellular heme chaperone. Regulates heme synthesis via interactions with FECH and acts as a heme donor for at least some hemoproteins (PubMed:27599036). Forms a ternary complex with TMEM97 receptor and low density lipid receptor/LDLR, which increases LDLR-mediated LDL lipoprotein internalization (PubMed:30443021).

Cellular Location

Microsome membrane {ECO:0000250|UniProtKB:Q95250}; Single-pass membrane protein. Smooth endoplasmic reticulum membrane; Single-pass membrane protein. Mitochondrion outer membrane {ECO:0000250|UniProtKB:O55022}; Single-pass membrane protein; Extracellular side {ECO:0000250|UniProtKB:O55022} Secreted Note=Localized at cell membrane, probably in lipid rafts, in serum- starved conditions.

Tissue Location

Detected in urine (at protein level) (PubMed:36213313, PubMed:37453717). Expressed by endometrial glands and stroma (at protein level) (PubMed:23793472). Widely expressed, with highest expression in liver and kidney.

PGRMC1 / MPR Antibody (C-Terminus) - Protocols

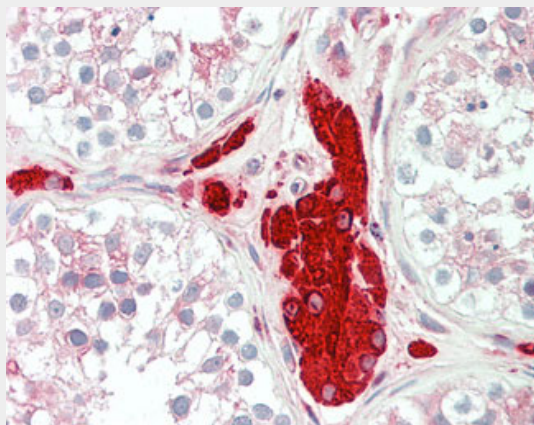
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PGRMC1 / MPR Antibody (C-Terminus) - Images



Antibody (0.1 ug/ml) staining of Human Liver lysate (35 ug protein in RIPA buffer).



Anti-PGRMC1 / MPR antibody IHC staining of human testis.

PGRMC1 / MPR Antibody (C-Terminus) - Background

Receptor for progesterone.

PGRMC1 / MPR Antibody (C-Terminus) - References

Gerdes D.,et al.Biol. Chem. 379:907-911(1998).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Ross M.T.,et al.Nature 434:325-337(2005).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Bernauer S.,et al.DNA Seq. 12:13-25(2001).