

Anti-PGRMC1 / MPR Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17363**Specification**

Anti-PGRMC1 / MPR Antibody - Product Information

Application	WB, IHC-P
Primary Accession	O00264
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	21671

Anti-PGRMC1 / MPR Antibody - Additional Information**Gene ID** 10857**Alias Symbol** **PGRMC1**
Other Names
PGRMC1, HPR6.6, Progesterone binding protein, MPR, PGRMC**Target/Specificity**
Human PGRMC1 / MPR**Reconstitution & Storage**
PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.**Precautions**
Anti-PGRMC1 / MPR Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-PGRMC1 / MPR Antibody - Protein Information****Name** PGRMC1 ([HGNC:16090](#))**Function**
Component of a progesterone-binding protein complex (PubMed:[28396637](http://www.uniprot.org/citations/28396637)). Binds progesterone (PubMed:[25675345](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/27599036)). Forms a ternary complex with TMEM97 receptor and low density lipid receptor/LDLR, which increases LDLR-mediated LDL lipoprotein internalization (PubMed:

<http://www.uniprot.org/citations/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.

Anti-PGRMC1 / MPR Antibody - 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](#)

Anti-PGRMC1 / MPR Antibody - Images