

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

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**Anti-PGRMC1 / MPR Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">O00264</a>
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	21671
Dilution	WB~~1:1000 IHC-P~~N/A

**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:<a href="http://www.uniprot.org/citations/28396637" target="\_blank">28396637</a>). Binds progesterone (PubMed:<a href="http://www.uniprot.org/citations/25675345" target="\_blank">25675345</a>). 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:<a href="http://www.uniprot.org/citations/27599036" target="\_blank">27599036</a>).

Forms a ternary complex with TMEM97 receptor and low density lipid receptor/LDLR, which increases LDLR-mediated LDL lipoprotein internalization (PubMed:<a href="http://www.uniprot.org/citations/30443021" target="\_blank">30443021</a>).

**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**