

PGRMC2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51427

Specification

PGRMC2 Antibody - Product Information

Application	WB
Primary Accession	O15173
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24 KDa
Antigen Region	161 - 220

PGRMC2 Antibody - Additional Information

Gene ID 10424

Other Names

Membrane-associated progesterone receptor component 2, Progesterone membrane-binding protein, Steroid receptor protein DG6, PGRMC2, DG6, PMBP

Target/Specificity

KLH conjugated synthetic peptide derived from human PGRMC2

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

PGRMC2 Antibody - Protein Information

Name PGRMC2 ([HGNC:16089](#))

Function

Required for the maintenance of uterine histoarchitecture and normal female reproductive lifespan (By similarity). May serve as a universal non-classical progesterone receptor in the uterus (Probable). Intracellular heme chaperone required for delivery of labile, or signaling heme, to the nucleus (By similarity). Plays a role in adipocyte function and systemic glucose homeostasis (PubMed:28111073). In brown fat, which has a high demand for heme, delivery of labile heme in the nucleus regulates the activity of heme-responsive transcriptional repressors such as NR1D1 and BACH1 (By similarity).

Cellular Location

Membrane; Single- pass membrane protein. Nucleus envelope. Endoplasmic reticulum. Secreted

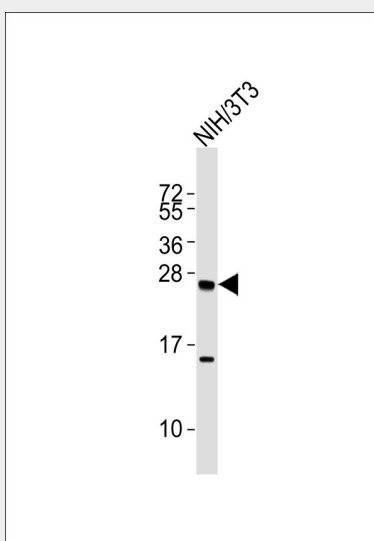
Tissue Location

Expressed by endometrial glands and stroma (at protein level) (PubMed:23793472). Detected in urine (at protein level) (PubMed:37453717).

PGRMC2 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](#)

PGRMC2 Antibody - Images

Anti-PGRMC2 Antibody at 1:1000 dilution + NIH/3T3 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 24 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

PGRMC2 Antibody - Background

Receptor for steroids (Potential).

PGRMC2 Antibody - References

- Gerdes D., et al. Biol. Chem. 379:907-911(1998).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Olsen J.V., et al. Cell 127:635-648(2006).
Daub H., et al. Mol. Cell 31:438-448(2008).
Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).

