

PGRMC2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51427

Product Information

Application	WB
Primary Accession	O15173
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23818

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

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).

Background

Receptor for steroids (Potential).

References

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

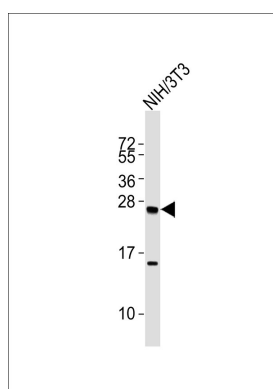
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Olsen J.V.,et al.Cell 127:635-648(2006).

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).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.