

PGRMC2 Polyclonal Antibody

Catalog # AP71876

Product Information

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

Additional Information

Gene ID	10424
Other Names	PGRMC2; DG6; PMBP; Membrane-associated progesterone receptor component 2; Progesterone membrane-binding protein; Steroid receptor protein DG6
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

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.

Images



Western Blot analysis of various cells using PGRMC2
Polyclonal Antibody diluted at 1 : 1000

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