

PGRMC2 Antibody (clone 3C11)
Mouse Monoclonal Antibody
Catalog # ALS14429**Specification**

PGRMC2 Antibody (clone 3C11) - Product Information

Application	WB
Primary Accession	O15173
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	24kDa KDa

PGRMC2 Antibody (clone 3C11) - 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

Human PGRMC2

Reconstitution & Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

PGRMC2 Antibody (clone 3C11) is for research use only and not for use in diagnostic or therapeutic procedures.

PGRMC2 Antibody (clone 3C11) - 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

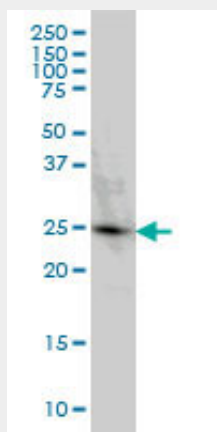
Tissue Location

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

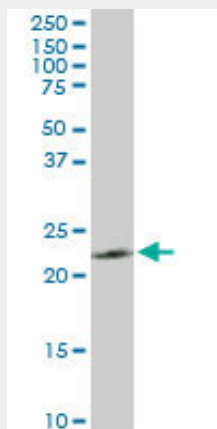
PGRMC2 Antibody (clone 3C11) - Protocols

Provided below are standard protocols that you may find useful for product applications.

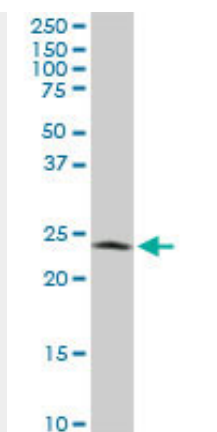
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PGRMC2 Antibody (clone 3C11) - Images

Antibody ALS14429, Western blot of PGRMC2 expression in HeLa.



Antibody ALS14429, Western blot of PGRMC2 expression in PC-12.



Antibody ALS14429, Western blot of PGRMC2 expression in NIH/3T3.

PGRMC2 Antibody (clone 3C11) - Background

Receptor for steroids.

PGRMC2 Antibody (clone 3C11) - 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).