

Rabbit anti-Human PGRMC1 Polyclonal Antibody | anti-PGRMC1 antibody

Anti-PGRMC1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256354	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PGRMC1; Polyclonal Antibody; Anti-PGRMC1 Antibody; Rabbit Polyclonal; PGRMC1 Antibody; Rabbit PAb; Antigen Affinity Purified; progesterone receptor membrane component 1; Anti-HPR6.6 Antibody; Anti-MPR Antibody; anti-PGRMC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PGRMC1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PGRMC1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human PGRMC1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PGRMC1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PGRMC1 was immunoprecipitated using: Lane A: 0.5 mg MCF7 Whole Cell Lysate 4 uL anti-PGRMC1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PGRMC1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa. Observed band size: 25 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human PGRMC1 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PGRMC1 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-PGRMC1 rabbit polyclonal antibody at 1:500 dilution
Lane A: MCF7 Whole Cell Lysate
Lane B: HepG2 Whole Cell Lysate
Lane C: Hela Whole Cell Lysate
Lane D: Jurkat Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa Observed band size: 24 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PGRMC1 antibody

Progesterone Receptor Membrane Component 1 (PGRMC1) is located in many different subcellular locations with many different attested and probably location-specific functions. PGRMC1 is a highly conserved multifunctional protein that is found in numerous systems, including the reproductive system. Interestingly, PGRMC1 is expressed at several intracellular locations, including the nucleolus. PGRMC1 enhances autophagy, activates cytochrome p450, and inactivates signaling pathways to promote cell survival and reduce the effect of drug treatments. PGRMC1 was identified in the mitochondrial outer membrane where it interacts with ferrochelatase, the last enzyme in the heme synthetic pathway. It has been proposed that PGRMC1 may act as a chaperone to shuttle newly synthesized heme from the mitochondrion to cytochrome P450 (cyP450) enzymes.

References

Zhu X, et al. (2017) Pgrmc1-dependent autophagy by hyperoside induces apoptosis and sensitizes ovarian cancer cells to cisplatin treatment. *Int J Oncol* 50 (3): 835-846. Terzaghi L, et al. (2018) Pgrmc1 localization and putative function in the nucleolus of bovine granulosa cells and oocytes. *Reproduction* 155 (3): 273-282. Cahill MA, et al. (2017) Thoughts on interactions between pgrmc1 and diverse attested and potential hydrophobic ligands. *J Steroid Biochem Mol Biol* 171 11-33. Cahill MA, et al. (2016) Pgrmc1 regulation by phosphorylation: Potential new insights in controlling biological activity. *Oncotarget* 7 (32): 50822-50827.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pgrmc1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256354>