

PGRMC1 Polyclonal Antibody | anti-PGRMC1 antibody

Anti-PGRMC1 Antibody

CATALOG # AAA46475	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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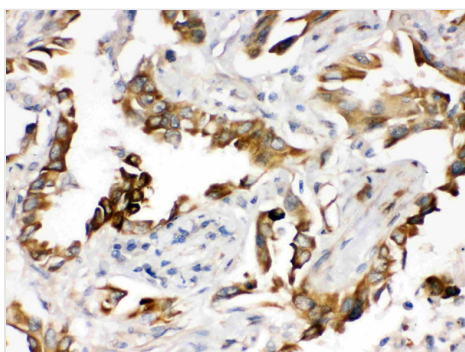
PRODUCT SYNONYMS

PGRMC1; Polyclonal Antibody; Anti-PGRMC1 Antibody; Membrane-associated progesterone receptor component 1; HPR6.6; Membrane associated progesterone receptor component 1; mPR; PGRC1_HUMAN; PGRMC; Pgrmc1; Progesterone binding protein; Progesterone receptor membrane component 1; progesterone receptor membrane component 1; anti-PGRMC1 antibody

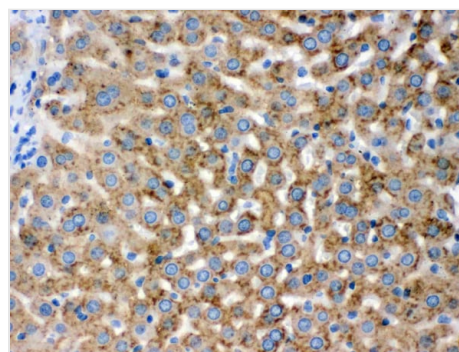
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	143
Applicable Applications for anti-PGRMC1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human PGRMC1 (67-102aa RLKRRDFTPAELRRFDGVQDPRILMAINGKVFVDTK), identical to the related mouse sequence, and different from the related rat sequence by two amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

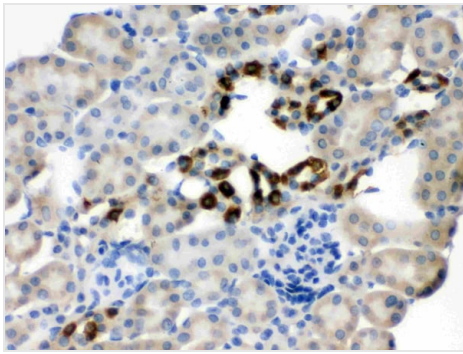
IMAGES



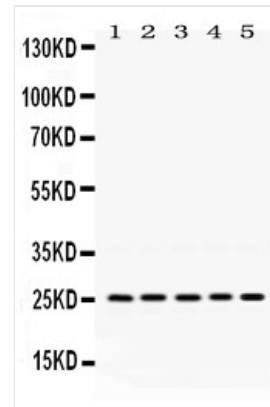
IHC (Immunohistochemistry)
Anti- PGRMC1 Picoband antibody, AAA46475, IHC(P)IHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemisry)
Anti- PGRMC1 Picoband antibody, AAA46475, IHC(P)IHC(P): Rat Liver Tissue



IHC (Immunohistochemistry)
Anti- PGRMC1 Picoband antibody, AAA46475, IHC(P)IHC(P): Mouse Kidney Tissue



WB (Western Blot)
Anti- PGRMC1 Picoband antibody, AAA46475, Western blottingAll lanes: Anti PGRMC1 (AAA46475) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Kidney Tissue Lysate at 50ugLane 3: Mouse Liver Tissue Lysate at 50ugLane 4: Mouse Kidney Tissue Lysate at 50ugLane 5: SMMC Whole Cell Lysate at 40ugPredicted bind size: 26KDObserved bind size: 26KD

ADDITIONAL INFORMATION

Related Product Information for anti-PGRMC1 antibody	Description: Rabbit IgG polyclonal antibody for Membrane-associated progesterone receptor component 1(PGRMC1) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Progesterone receptor membrane component 1 (PGRMC1) is a protein which co-purifies with progesterone binding proteins in the liver and ovary. In humans, the PGRMC1 protein is encoded by the PGRMC1 gene. The Sigma-2 receptor was recently identified as potentially being the same as PGRMC1. The sole biochemical function of PGRMC1 is heme-binding. PGRMC1 shares key structural motifs with cytochrome b5. It binds and activates P450 proteins, which are important in drug, hormone and lipid metabolism. Also, PGRMC1 binds to PAIR-BP1 (plasminogen activator inhibitor RNA-binding protein-1). However, its expression outside of the reproductive tract and in males suggests multiple functions for the protein. These may include binding to Insig (insulin-induced gene), which regulates cholesterol synthesis.
References	1. Gerdes D, Wehling M, Leube B, Falkenstein E (Jul 1998). "Cloning and tissue expression of two putative steroid membrane receptors".Biological Chemistry 379 (7): 907-11. 2. Meyer C, Schmid R, Scriba PC, Wehling M (Aug 1996). "Purification and partial sequencing of high-affinity progesterone-binding site(s) from porcine liver membranes". European Journal of Biochemistry / FEBS 239(3): 726-31. 3. Xu J, Zeng C, Chu W, Pan F, Rothfuss JM, Zhang F, Tu Z, Zhou D, Zeng D, Vangveravong S, Johnston F, Spitzer D, Chang KC, Hotchkiss RS, Hawkins WG, Wheeler KT, Mach RH (2011). "Identification of the PGRMC1 protein complex as the putative sigma-2 receptor binding site". Nature Communications 2 (2): 380.

NCBI AND UNIPROT INFORMATION

NCBI GI #	544063461
NCBI GeneID	10857
NCBI Accession #	NP_001269550.1
NCBI GenBank Nucleotide #	NM_001282621.1
UniProt Accession #	O00264; Q9UGJ9; B7Z1L3
Molecular Weight	15,879 Da
NCBI Official Full Name	membrane-associated progesterone receptor component 1 isoform 2
NCBI Official Synonym Full Names	progesterone receptor membrane component 1
NCBI Official Symbol	PGRMC1
NCBI Official Synonym Symbols	MPR; HPR6.6

NCBI Protein Information	membrane-associated progesterone receptor component 1
UniProt Protein Name	Membrane-associated progesterone receptor component 1
UniProt Gene Name	PGRMC1
UniProt Synonym Gene Names	HPR6.6; PGRMC; mPR
UniProt Entry Name	PGRC1_HUMAN

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-immunohistochemistry-western-blot-elisa/46475>