

Rabbit PGRMC1 Polyclonal Antibody | anti-PGRMC1 antibody

PGRMC1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327121	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

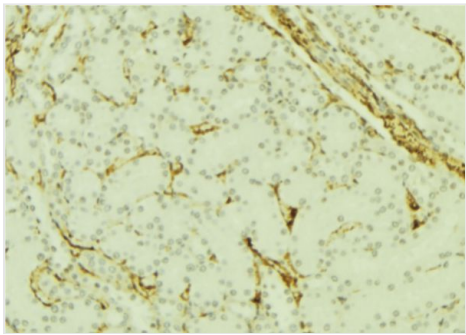
PRODUCT SYNONYMS

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

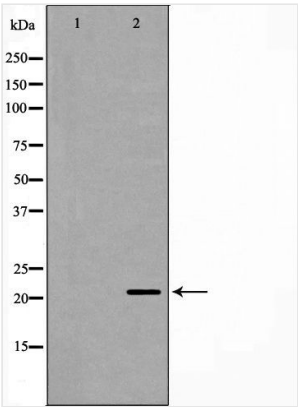
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PGRMC1 antibody detects endogenous levels of total PGRMC1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	143
Applicable Applications for anti-PGRMC1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PGRMC1
Subcellular Location	Microsome membrane. Endoplasmic Reticulum Membrane.
Tissue Specificity	Widely expressed, with highest expression in liver and kidney.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (100%), Bovine (89%), Horse (89%), Sheep (89%), Rabbit (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327121 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Mouse liver tissue lysates, using PGRMC1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PGRMC1 antibody

Description: This gene encodes a putative membrane-associated progesterone steroid receptor. The protein is expressed predominantly in the liver and kidney.
Function: Component of a progesterone-binding protein complex (PubMed:28396637). Binds progesterone (PubMed:25675345). Has many reported cellular functions (heme homeostasis, interaction with CYPs).
Subunit Structure: Homodimer. Forms stable homodimer through hydrophobic heme-heme stacking interactions.
Similarity: The cytochrome b5 heme-binding domain lacks the conserved iron-binding His residues at positions 107 and 131. Belongs to the cytochrome b5 family. MAPR subfamily.

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	Observed: 21 kDa Predicted: 22 kDa
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	IZA; MPR; Dap1; 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	mPR

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.