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anti-PGRMC1 antibody (Middle Region)





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Overview		
Quantity:	100 μg	
Target:	PGRMC1	
Binding Specificity:	AA 67-102, Middle Region	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Purpose:	Rabbit IgG polyclonal antibody for Membrane-associated progesterone receptor component	
	1(PGRMC1) detection. Tested with WB, IHC-P in Human, Mouse, Rat.	
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human PGRMC1 (67-	
	102aa RLKRRDFTPAELRRFDGVQDPRILMAINGKVFDVTK), identical to the related mouse	
	sequence, and different from the related rat sequence by two amino acids.	
Sequence:	RLKRRDFTPA ELRRFDGVQD PRILMAINGK VFDVTK	
Isotype:	IgG	
Cross-Reactivity (Details):	No cross reactivity with other proteins.	
Characteristics:	Rabbit IgG polyclonal antibody for Membrane-associated progesterone receptor component	
	1(PGRMC1) detection. Tested with WB, IHC-P in Human, Mouse, Rat.	
	Gene Name: progesterone receptor membrane component 1	
	Protein Name: Membrane-associated progesterone receptor component 1	

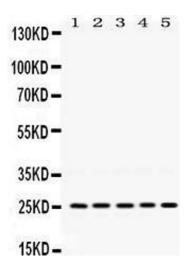
Product Details Purification: Immunogen affinity purified. **Target Details** Target: PGRMC1 Alternative Name: PGRMC1 (PGRMC1 Products) Background: Progesterone receptor membrane component 1 (PGRMC1) is a protein which co-purifies with progesterone binding proteins in the liver and ovary. In humans, 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. Synonyms: HPR6.6 antibody|Membrane associated progesterone receptor component 1 antibody|Membrane-associated progesterone receptor component 1 antibody|mPR antibody|PGRC1_HUMAN antibody|PGRMC antibody|Pgrmc1 antibody|Progesterone binding protein antibody|Progesterone receptor membrane component 1 antibody Gene ID: 10857 UniProt: 000264 **Application Details**

Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Mouse, Rat		
	IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by		
	Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the		
	staining of formalin/paraffin sections.		
	Notes: Tested Species: Species with positive results. Other applications have not been tested.		
	Optimal dilutions should be determined by end users.		
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by		
	ABIN921231 in IHC(P).		
Restrictions:	For Research Use only		

Handling

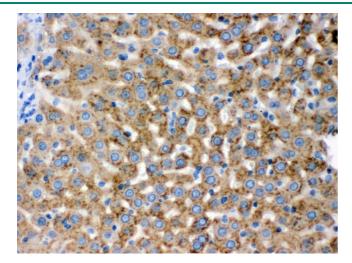
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μg/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Validation report #300031 for Immunohistochemistry (IHC)



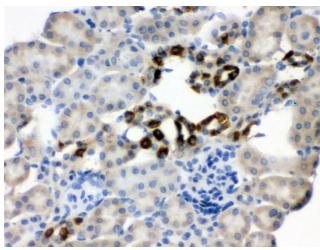
Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti- PGRMC1 Picoband antibody, IHC(P) IHC(P): Rat Liver Tissue



Immunohistochemistry

Image 3. Anti- PGRMC1 Picoband antibody, IHC(P) IHC(P): Mouse Kidney Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3043899.