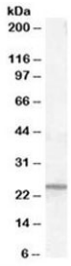
Progesterone Receptor Membrane Component 1 Antibody / HPR6.6 Antibody (R33917)

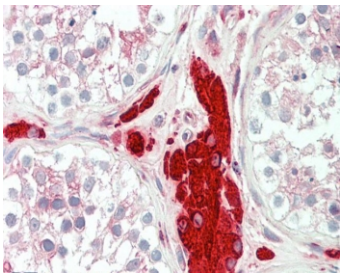
Catalog No.	Formulation	Size
R33917-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	10857
Localization	Cytoplasmic
Applications	Western blot: 0.1-0.3 ug/ml IHC (FFPE): 5ug/ml ELISA (peptide) LOD: 1:4000
Limitations	This Progesterone Receptor Membrane Component 1 Antibody / HPR6.6 Antibody is available for research use only.



Progesterone Receptor Membrane Component 1 Antibody Human Kidney WB. Western blot testing of human kidney tissue lysate with Progesterone Receptor Membrane Component 1 Antibody at 0.1 ug/ml. Predicted molecular weight: ~22 kDa. Progesterone Receptor Membrane Component 1 Antibody / HPR6.6 Antibody detects a major band consistent with PGRMC1 expression and supports studies of steroid signaling regulation, membrane-associated protein function and cancer-related cell survival pathways.



Progesterone Receptor Membrane Component 1 Antibody Human Testis IHC. IHC staining of FFPE human testis tissue with Progesterone Receptor Membrane Component 1 Antibody at 5 ug/ml. HIER was performed by steaming tissue sections in pH 6 citrate buffer prior to staining. The section was incubated with PGRMC1 antibody, followed by AP-based detection. Progesterone Receptor Membrane Component 1 Antibody / HPR6.6 Antibody demonstrates staining consistent with PGRMC1 expression and supports studies of steroid signaling pathways, reproductive biology and membrane-associated protein regulation.

Description

Progesterone Receptor Membrane Component 1 Antibody / HPR6.6 Antibody detects PGRMC1, a membrane-associated protein involved in steroid pathway regulation, heme binding, cellular metabolism and survival signaling. Progesterone Receptor Membrane Component 1 is a member of the membrane-associated progesterone receptor component family and contains a cytochrome b5-like domain that allows interaction with heme and multiple regulatory proteins. Also known as HPR6.6, PGRMC1 is primarily associated with intracellular membrane compartments, including the endoplasmic reticulum, where it contributes to signaling regulation, lipid metabolism and cellular stress responses.

Progesterone Receptor Membrane Component 1 participates in a wide range of biological processes through interactions with cytochrome P450 enzymes and other protein networks. These functions connect PGRMC1 to cholesterol metabolism, steroid biosynthesis, protein regulation and maintenance of cellular homeostasis. PGRMC1 has also been associated with pathways controlling proliferation, apoptosis resistance, mitochondrial activity and cellular adaptation. Progesterone Receptor Membrane Component 1 Antibody is used by researchers investigating the relationship between membrane-associated signaling proteins and normal or disease-related cellular functions.

Studies of PGRMC1/HPR6.6 have shown relevance in cancer research, reproductive biology, metabolism and neurobiology. Changes in PGRMC1 expression have been examined in multiple tumor types because of possible roles in cancer cell growth, survival, migration and therapeutic response. Its involvement in steroid-related signaling and metabolic regulation has also made PGRMC1 an important research target for understanding how membrane-associated proteins influence cellular behavior and communication.

Progesterone Receptor Membrane Component 1 Antibody applications include detection of PGRMC1 expression, localization and regulation in biological samples. Antibody-based analysis of HPR6.6 supports studies of cancer signaling pathways, hormone-related biology, intracellular membrane function and protein interactions. NSJ Bioreagents provides Progesterone Receptor Membrane Component 1 Antibody / HPR6.6 Antibody for researchers studying PGRMC1 function in cell survival, steroid signaling and disease-associated cellular pathways.

Progesterone Receptor Membrane Component 1 Antibody detects the PGRMC1/HPR6.6 protein involved in steroid signaling, cell survival and cancer-associated pathways; additional research tools are available on our PGRMC1 Antibody / Progesterone Receptor Membrane Component Antibody page.

Application Notes

Optimal dilution of the Progesterone Receptor Membrane Component 1 Antibody / HPR6.6 Antibody should be determined by the researcher.

Immunogen

Amino acids EPKDESARKND were used as the immunogen for this PGRMC1 / Progesterone Receptor Membrane Component 1 antibody.

Storage

Aliquot and store the PGRMC1 / Progesterone Receptor Membrane Component 1 antibody at -20oC.

Alternate Names

PGRMC1 Antibody, HPR6.6 Antibody, 25-Dx Antibody, IZA Antibody, Membrane Associated Progesterone Receptor Component 1 Antibody, Heme Binding Protein Antibody

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