10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PAQR7 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16283B

Product Information

Application	WB, E
Primary Accession	Q86WK9
Other Accession	NP_848509.1
Reactivity	Human, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35601
Calculated MW	39719
Antigen Region	281-310

Additional Information

Gene ID	164091
Other Names	Membrane progestin receptor alpha, mPR alpha, Progestin and adipoQ receptor family member 7, Progestin and adipoQ receptor family member VII, PAQR7, MRPA
Target/Specificity	This PAQR7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 281-310 amino acids from the C-terminal region of human PAQR7.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PAQR7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PAQR7 (HGNC:23146)
Synonyms	MRPA

Function	Plasma membrane progesterone (P4) receptor coupled to G proteins (PubMed:23763432). Seems to act through a G(i) mediated pathway (PubMed:23763432). May be involved in oocyte maturation (PubMed:12601167). Involved in neurosteroid inhibition of apoptosis (PubMed:23161870). Also binds dehydroepiandrosterone (DHEA), pregnanolone, pregnenolone and allopregnanolone (PubMed:23161870).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed in a wide range of tissues including ovary, testis, placenta, uterus and bladder

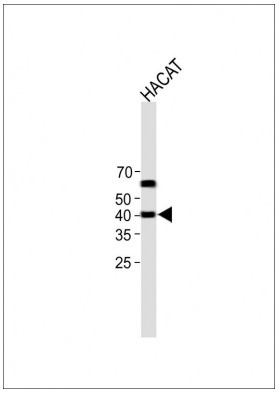
Background

PAQR7 is a steroid membrane receptor. Binds progesterone in vitro. It may be involved in oocyte maturation.

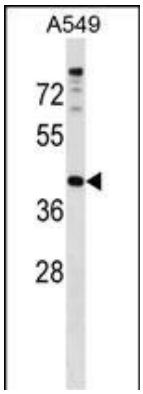
References

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Smith, J.L., et al. Steroids 73(11):1160-1173(2008)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Thomas, P., et al. Endocrinology 148(2):705-718(2007)
Tang, Y.T., et al. J. Mol. Evol. 61(3):372-380(2005)

Images



All lanes : Anti-PAQR7 Antibody (C-term) at 1:1000 dilution Lane 1: HACAT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 40kDa Blocking/Dilution buffer: 5% NFDM/TBST.



PAQR7 Antibody (C-term) (Cat. #AP16283b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the PAQR7 antibody detected the PAQR7 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.