

# PAQR8 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP14849b

#### **Product Information**

Application WB, E
Primary Accession Q8TEZ7
Other Accession NP\_588608.1
Reactivity Human, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB34926
Calculated MW 40464
Antigen Region 326-354

#### **Additional Information**

**Gene ID** 85315

Other Names Membrane progestin receptor beta, mPR beta, Lysosomal membrane protein

in brain 1, Progestin and adipoQ receptor family member 8, Progestin and adipoQ receptor family member VIII, PAQR8, C6orf33, LMPB1, MPRB

Target/Specificity

This PAQR8 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 326-354 amino acids from the

C-terminal region of human PAQR8.

**Dilution** WB~~1:1000 E~~Use at an assay dependent concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

**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** PAQR8 Antibody (C-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

#### **Protein Information**

Name PAQR8 ( HGNC:15708)

**Function** Plasma membrane progesterone (P4) receptor coupled to G proteins

(PubMed: 23763432). Seems to act through a G(i) mediated pathway

(PubMed: <u>23763432</u>). May be involved in oocyte maturation (By similarity). Also binds dehydroepiandrosterone (DHEA), pregnanolone, pregnenolone and

allopregnanolone (PubMed:23161870).

**Cellular Location** Cell membrane; Multi-pass membrane protein. Note=Colocalizes with a

lysosomal protein CTSD/cathepsin D.

**Tissue Location** Highly expressed in the hypothalamus (PubMed:23161870). Also expressed in

spinal cord, kidney and testis

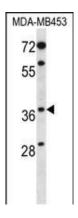
## **Background**

PAQR8 is steroid membrane receptor. Binds progesterone. May be involved in oocyte maturation (By similarity).

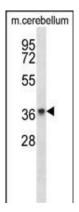
#### References

Smith, J.L., et al. Steroids 73(11):1160-1173(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007) Tang, Y.T., et al. J. Mol. Evol. 61(3):372-380(2005) Mungall, A.J., et al. Nature 425(6960):805-811(2003) Hammes, S.R. Proc. Natl. Acad. Sci. U.S.A. 100(5):2168-2170(2003)

### **Images**



PAQR8 Antibody (C-term) (Cat. #AP14849b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the PAQR8 antibody detected the PAQR8 protein (arrow).



PAQR8 Antibody (C-term) (Cat. #AP14849b) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the PAQR8 antibody detected the PAQR8 protein (arrow).

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