

# PORCN Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21406c

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9H237</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB52905
<b>Calculated MW</b>	52318

## Additional Information

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<b>Gene ID</b>	64840
<b>Other Names</b>	Protein-cysteine N-palmitoyltransferase porcupine, 231-, Protein MG61, PORCN, MG61, PORC, PPN
<b>Target/Specificity</b>	This PORCN antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 138-171 amino acids from the Central region of human PORCN.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	PORCN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PORCN ( <a href="#">HGNC:17652</a> )
<b>Function</b>	Protein-serine O-palmitoleoyltransferase that acts as a key regulator of the Wnt signaling pathway by mediating the attachment of palmitoleate, a 16-carbon monounsaturated fatty acid (C16:1(9Z)), to Wnt proteins. Serine palmitoleoylation of WNT proteins is required for efficient binding to frizzled receptors.

<b>Cellular Location</b>	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q9JJJ7}; Multi-pass membrane protein {ECO:0000250 UniProtKB:Q9JJJ7}
<b>Tissue Location</b>	Isoform 1 is expressed in fetal brain, brain, amygdala, caudate nucleus, cerebellum, hippocampus, pituitary, thalamus, heart, skeletal muscle and testis. Isoform 4 is expressed in amygdala, corpus callosum, hippocampus, spinal cord, kidney, liver, lung, spleen, uterus, testis. Isoform 2 and isoform 3 are expressed in substantia nigra, spinal cord, heart and lung

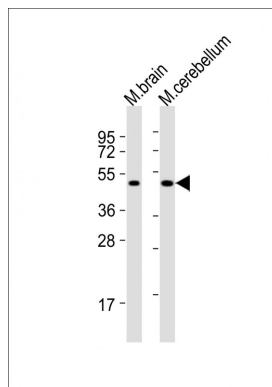
## Background

protein-cysteine N-palmitoyltransferase that modulates the processing of Wnt proteins by mediating serine palmitoylation of Wnt family members.

## References

Caricasole A.,et al.Gene 288:147-157(2002).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Ross M.T.,et al.Nature 434:325-337(2005).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Geraghty M.T.,et al.Submitted (JAN-1993) to the EMBL/GenBank/DDBJ databases.

## Images



All lanes : Anti-PORCN Antibody (Center) at 1:2000 dilution Lane 1: mouse brain lysates Lane 2: mouse cerebellum lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 52 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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