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PORCN Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21406c

Product Information

Application	WB, E
Primary Accession	Q9H237
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52905
Calculated MW	52318

Additional Information

Gene ID	64840
Other Names	Protein-cysteine N-palmitoyltransferase porcupine, 231-, Protein MG61, PORCN, MG61, PORC, PPN
Target/Specificity	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.
Dilution	WB~~1:2000 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	PORCN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PORCN (HGNC:17652)
Function	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.

Cellular Location Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9JJJ7}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9JJJ7}

Tissue Location 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 negra, spinal cord, heart and lung

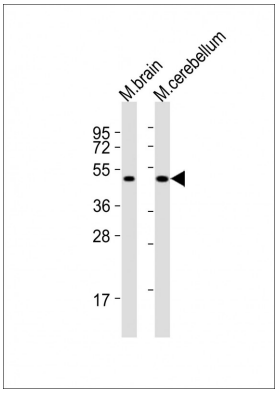
Background

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'.