

PORCN Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21406c

Product Information

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

Additional Information

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| 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

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| 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. |

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| 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 nigra, spinal cord, heart and lung |

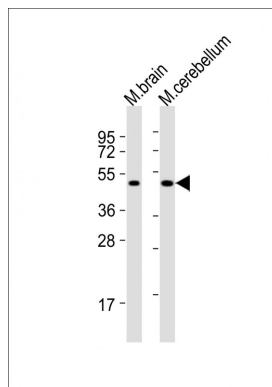
Background

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'.