



PORCN antibody - N-terminal region (ARP49762_P050)

Data Sheet

Product Number	ARP49762_P050
Product Page	http://www.avivasysbio.com/porcn-antibody-n-terminal-region-arp49762-p050.html
Product Name	PORCN antibody - N-terminal region (ARP49762_P050)
Size	100 ul
Gene Symbol	PORCN
Alias Symbols	DHOF; FODH; MG61; MGC29687; PORC; PPN; por
Protein Size (# AA)	450 amino acids
Molecular Weight	51kDa
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
NCBI Gene Id	64840
Host	Rabbit
Clonality	Polyclonal
Concentration	Batch dependent within range: 100 ul at 0.5 - 1 mg/ml
Official Gene Full Name	Porcupine homolog (Drosophila)
Description	This is a rabbit polyclonal antibody against PORCN. It was validated on Western Blot using a cell lysate as a positive control. Aviva Systems Biology strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (info@avivasysbio.com).
Peptide Sequence	Synthetic peptide located within the following region: ACRLLWRLGLPSYLKHAHVAGGFFSLYHFFQLHMVWVLLSLLCYLVLF
Target Reference	Chen,Z., (2008) Oncogene 27 (24), 3483-3488
Description of Target	PORCN belongs to the evolutionarily conserved porcupine (Porc) gene family. Genes of the Porc family encode endoplasmic reticulum proteins with multiple transmembrane domains. Porcupine proteins are involved in the processing of Wnt (wingless and int homologue) proteins. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. This gene belongs to the evolutionarily conserved porcupine (Porc) gene family. Genes of the Porc family encode endoplasmic reticulum proteins with multiple transmembrane domains. Porcupine proteins are involved in the processing of Wnt (wingless and int homologue) proteins. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed.
Protein Interactions	WNT5B; WNT3A; WNT6; WNT4; WNT7B; WNT1;
Reconstitution and Storage	For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.
Lead Time	Domestic: within 1-2 days delivery International: 1-2 days *** Required Wet/Dry Ice Surcharge will automatically be applied upon checkout for the shipment. See Surcharges
Blocking Peptide	For anti-PORCN antibody is Catalog # AAP49762 (Previous Catalog # AAP29339)
Immunogen	The immunogen for anti-PORCN antibody: synthetic peptide directed towards the N terminal of human PORCN
Complete computational species homology data	PORCN antibody - N-terminal region (ARP49762_P050)
Tissue Tool	Find tissues and cell lines supported by DNA array analysis to express PORCN .
Swissprot Id	Q9H237-4
Protein Name	Protein-cysteine N-palmitoyltransferase porcupine
Protein Accession #	NP_073736
Purification	Affinity Purified
RNA Seq	Find tissues and cell lines supported by RNA-seq analysis to express PORCN .
Nucleotide Accession #	NM_022825
Species Reactivity	Bovine, Rat, Human, Dog, Horse, Rabbit, Guinea pig, Mouse
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Dog : 100%; Pig : 100%; Rat : 100%; Horse : 100%; Human : 100%; Mouse : 100%; Bovine : 100%; Rabbit : 100%; Guinea pig : 100%
	Mouse Uterus

Image 1	Not Pregnant E3.5 E1.5 E4.5 E2.5 Immunohistochemistry Sample type: Mouse Uterus - primary antibody dilution 1 in 300. - secondary antibody dilution 1 in 1000.
Image 2	Human HepG2 90 kDa 65 kDa 40 kDa 31 kDa 22 kDa © Aviva Systems Biology Corp 2014 Original Manuscript of Antibodies WB Suggested Anti-PORCN Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate
Image 3	Hela Whole cell 90 kDa 65 kDa 40 kDa 29 kDa 22 kDa © Aviva Systems Biology Corp 2014 Original Manuscript of Antibodies Anti-PORCN Western Blot & Peptide Block Validation Lot Number: QC19308 Lysate: Hela cell Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration: 1.0µg/ml Peptide Concentration: 5.0µg/ml Lysate Quantity: 25µg/lane Gel Concentration: 12% Host: Rabbit Target Name:PORCN Sample Tissue:Hela Whole cell Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration:1ug/ml Peptide Concentration: 5ug/ml Lysate Quantity: 25ug/lane Gel Concentration: 0.12%

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