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Datasheet for ABIN2783888 anti-PORCN antibody (N-Term)

6 Images



Overview

Quantity:	100 µL	
Target:	PORCN	
Binding Specificity:	N-Term	
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This PORCN antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC)	

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PORCN	
Sequence:	ACRLLWRLGL PSYLKHASTV AGGFFSLYHF FQLHMVWVVL LSLLCYLVLF	
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%	
Characteristics:	This is a rabbit polyclonal antibody against PORCN. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	
Target Details		
Target:	PORCN	

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Target Details		
Alternative Name:	PORCN (PORCN Products)	
Background:	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.	
	Alias Symbols: DHOF, FODH, MG61, MGC29687, PORC, PPN, por	
	Protein Interaction Partner: WNT5B, WNT3A, WNT6, WNT4, WNT7B, WNT1,	
	Protein Size: 450	
Molecular Weight:	51 kDa	
Gene ID:	64840	
NCBI Accession:	NM_022825, NP_073736	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 450 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	

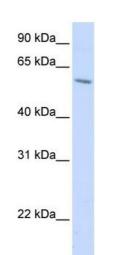
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freeze-thaw cycles.	

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Handling

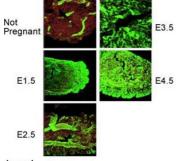
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small
	aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PORCN Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate



 $\begin{array}{l} \textbf{Legend} \\ U = Untreated equine cartilage \\ IL = IL-1\beta treated equine cartilage \\ T = TNF-\alpha + IL-1\beta treated equine cartilage \end{array}$

90 kDa______ 65 kDa______Lot N 40 kDa______ 29 kDa_____ 22 kDa_____A B PORCN (ARP49762_P050) Immunohistochemistry Sample: Mouse uterus of a wildtype female Primary Dilution: 1:300

Application data in forum

Secondary Dilution: 1:1,000

Submitted by: Farah, Omar McGill University/Royal Victoria Hospital

Immunohistochemistry

Image 2.

Anti-PORCN Western Blot & Peptide Block Validation	Western Blotting
	Image 3. Host: Rabbit
Lot Number: QC19308	Target Name: PORCN
Lysate: Hela cell	Sample Tissue: Hela Whole cell
Lane A: Primary Antibody	Lane A: Primary Antibody Lane B: Primary Antibody +
Lane B: Primary Antibody + Blocking Peptide	Blocking Peptide
Primary Antibody Concentration: 1.0µg/ml Peptide Concentration: 5.0µg/ml Lysate Quantity: 25µg/lane	Primary Antibody Concentration: 1 µg/mL Peptide
Gel Concentration: 12%	Concentration: 5 μ g/mL Lysate Quantity: 41 μ g/laneGel
	Concentration: 12 %

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