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NPNT Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18069c

Product Information

Application	WB, E
Primary Accession	Q6UXI9
Other Accession	NP_001028219.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37732
Calculated MW	61907
Antigen Region	365-392

Additional Information

Gene ID	255743
Other Names	Nephronectin, Preosteoblast EGF-like repeat protein with MAM domain, Protein EGFL6-like, NPNT, EGFL6L, POEM
Target/Specificity	This NPNT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 365-392 amino acids from the Central region of human NPNT.
Dilution	WB~~1:1000 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	NPNT Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NPNT
Synonyms	EGFL6L, POEM

Function	Functional ligand of integrin alpha-8/beta-1 in kidney development. Regulates the expression of GDNF with integrin alpha- 8/beta-1 which is essential for kidney development. May also play a role in the development and function of various tissues, regulating cell adhesion, spreading and survival through the binding of several integrins (By similarity).
Cellular Location	Secreted, extracellular space, extracellular matrix. Note=Trapped on the cell surface or in the extracellular matrix.
Tissue Location	Expressed in kidney and lung and to a lower extent in brain, pregnant uterus, placenta, thyroid gland and blood vessels

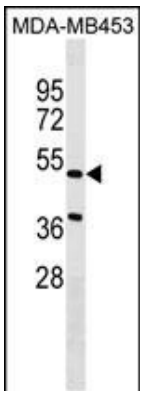
Background

Functional ligand of integrin alpha-8/beta-1 in kidney development. Regulates the expression of GDNF with integrin alpha-8/beta-1 which is essential for kidney development. May also play a role in the development and function of various tissues, regulating cell adhesion, spreading and survival through the binding of several integrins (By similarity).

References

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Hancock, D.B., et al. Nat. Genet. 42(1):45-52(2010)
Kahai, S., et al. PLoS ONE 4 (10), E7535 (2009) :
Huang, J.T., et al. Int. J. Mol. Med. 15(4):719-724(2005)
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Images



NPNT Antibody (Center) (Cat. #AP18069c) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the NPNT antibody detected the NPNT protein (arrow).

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