10320 Camino Santa Fe, Suite G
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PNN Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11555C

Specification

PNN Antibody (Center) - Product Information

Application	**IF, WB, IHC-P,E**
Primary Accession	Q9H307
Other Accession	O35691, P79122, NP_002678.2
Reactivity	**Human**
Predicted	**Bovine, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**81628**
Antigen Region	**209-239**

PNN Antibody (Center) - Additional Information

Gene ID 5411

Other Names
Pinin, 140 kDa nuclear and cell adhesion-related phosphoprotein, Desmosome-associated protein, Domain-rich serine protein, DRS protein, DRSP, Melanoma metastasis clone A protein, Nuclear protein SDK3, SR-like protein, PNN, DRS, MEMA

Target/Specificity
This PNN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 209-239 amino acids from the Central region of human PNN.

Dilution
IF~~1:10~50
WB~~1:1000
IHC-P~~1:10~50

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
PNN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PNN Antibody (Center) - Protein Information

Name PNN

Synonyms DRS, MEMA

Function Transcriptional activator binding to the E-box 1 core sequence of the E-cadherin promoter gene; the core-binding sequence is 5'CAGGTG-3'. Capable of reversing CTBP1-mediated transcription repression. Auxiliary component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. Participates in the regulation of alternative pre-mRNA splicing. Associates to spliced mRNA within 60 nt upstream of the 5'-splice sites. Component of the PSAP complex which binds RNA in a sequence-independent manner and is proposed to be recruited to the EJC prior to or during the splicing process and to regulate specific excision of introns in specific transcription subsets. Involved in the establishment and maintenance of epithelia cell-cell adhesion. Potential tumor suppressor for renal cell carcinoma.

Cellular Location
Nucleus speckle. Cell junction, desmosome. Note=Cell-cell contact area, predominantly desmosome of intercellular adherens junction. Not a nucleocytoplasmic shuttling protein

Tissue Location
Expressed in placenta, lung, liver, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon, heart, epidermis, esophagus, brain and smooth and skeletal muscle. Expressed strongly in melanoma metastasis lesions and advanced primary tumors.

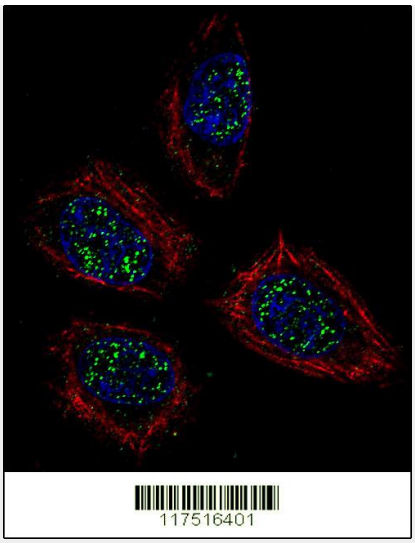
PNN Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

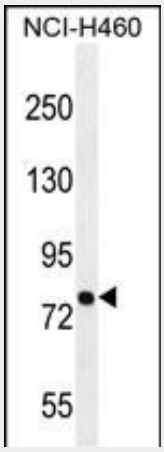
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PNN Antibody (Center) - Images

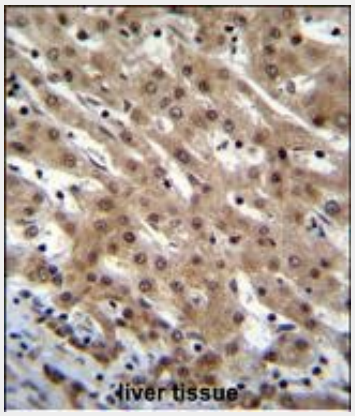
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Confocal immunofluorescent analysis of PNN Antibody (Center)(Cat#AP11555c) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).



PNN Antibody (Center) (Cat. #AP11555c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the PNN antibody detected the PNN protein (arrow).



PNN Antibody (Center) (Cat. #AP11555c)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PNN Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

PNN Antibody (Center) - Background

Transcriptional activator binding to the E-box 1 core sequence of the E-cadherin promoter gene; the core-binding sequence is 5'CAGGTG-3'. Capable of reversing CTBP1-mediated transcription repression. Component of a splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of a few core proteins and several more peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. Participates in the regulation of alternative pre-mRNA splicing. Associates to spliced mRNA within 60 nt upstream of the 5'-splice sites. Involved in the establishment and maintenance of epithelia cell-cell adhesion. Potential tumor suppressor for renal cell carcinoma.

PNN Antibody (Center) - References

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