

## Rabbit anti-Human, Mouse PNN Polyclonal Antibody | anti-PNN antibody

PNN Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                 |
|-----------|--------|--------------|--------------------------------------------------------------|
| AAA324954 | Rabbit | Human, Mouse | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

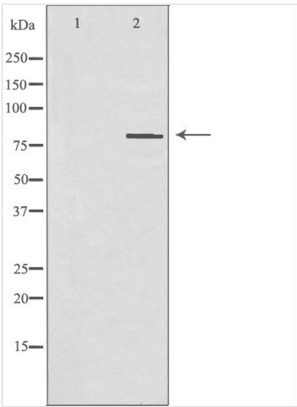
### PRODUCT SYNONYMS

PNN; Polyclonal Antibody; PNN Antibody; 140 kDa nuclear and cell adhesion-related phosphoprotein; Desmosome-associated protein; Domain-rich serine protein; DRS; DRS protein; DRSP; Melanoma metastasis clone A protein; MEMA; Nuclear protein SDK3; Pinin; PININ\_HUMAN; SR like protein; SR-like protein; anti-PNN antibody

### PRODUCT SPECIFICATIONS

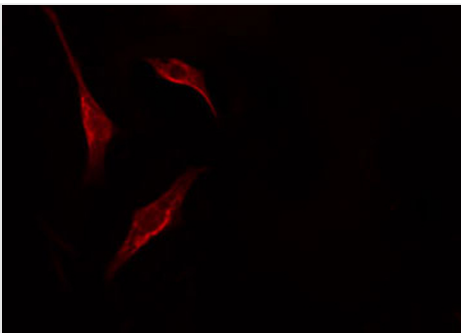
|                                               |                                                                                                                                                                                                                                                                          |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                                   |
| Reactivity                                    | Human, Mouse                                                                                                                                                                                                                                                             |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                               |
| Isotype                                       | IgG                                                                                                                                                                                                                                                                      |
| Specificity                                   | PNN antibody detects endogenous levels of total PNN                                                                                                                                                                                                                      |
| Purity/Purification                           | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                                                                                                                                                            |
| Form/Format                                   | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                                                            |
| Concentration                                 | 1mg/ml (varies by lot)                                                                                                                                                                                                                                                   |
| Sequence Length                               | 717                                                                                                                                                                                                                                                                      |
| Applicable Applications for anti-PNN antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                                                                                                                                             |
| Immunogen                                     | A synthesized peptide                                                                                                                                                                                                                                                    |
| Subcellular Location                          | Nucleus Speckle. Cell Junction > Desmosome. Cell-cell contact area, predominantly desmosome of intercellular adherens junction. Not a nucleocytoplasmic shuttling protein.                                                                                               |
| Tissue Specificity                            | 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. |
| Predicted Cross Reactivity                    | <b>Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus</b>                                                                                                                                                                                                        |
| Similarity                                    | Pig (100%), Zebrafish (89%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)                                                                                                                                                        |
| Conjugation                                   | Unconjugated                                                                                                                                                                                                                                                             |
| Preparation and Storage                       | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                                                                                                                                        |

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HT-29 cells, using PNN antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324954 staining HT29 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PNN antibody

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.

Subunit Structure: Found in a mRNA splicing-dependent exon junction complex (EJC). Found in a complex with SR proteins. Found in a mRNP complex with RNPS1. Component of the PSAP complex consisting of RNPS1, SAP18 and PNN. Interacts with PNISR, CTBP1, CTBP2, KRT8, KRT18, KRT19, PS1D/PNO40, PPIG, RNPS1, SFRS4 and SRRM2. Identified in the spliceosome C complex.

Similarity: Belongs to the pinin family.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 33356174                                                               |
| NCBI GeneID                      | 5411                                                                   |
| NCBI Accession #                 | NP_002678.2                                                            |
| NCBI GenBank Nucleotide #        | NM_002687.3                                                            |
| UniProt Accession #              | Q9H307; O60899; Q53EM7; Q6P5X4; Q7KYL1; Q99738; Q9UHZ9; Q9UQR9; B4DZX8 |
| Molecular Weight                 | Observed: 85 kDa<br>Predicted: 82 kDa                                  |
| NCBI Official Full Name          | pinin                                                                  |
| NCBI Official Synonym Full Names | pinin, desmosome associated protein                                    |
| NCBI Official Symbol             | PNN                                                                    |
| NCBI Official Synonym Symbols    | DRS; DRSP; SDK3; memA                                                  |
| NCBI Protein Information         | pinin                                                                  |
| UniProt Protein Name             | Pinin                                                                  |

|                            |                              |
|----------------------------|------------------------------|
| UniProt Gene Name          | PNN                          |
| UniProt Synonym Gene Names | DRS; MEMA; DRS protein; DRSP |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pnn-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324954>