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**

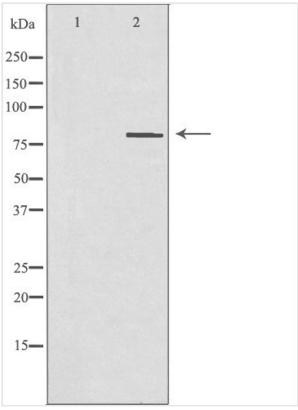
PRODUCT SYNONYMS

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

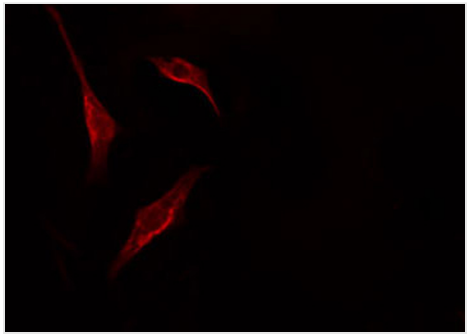
PRODUCT SPECIFICATIONS

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 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	**Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus**
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 kD 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
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