



## Rabbit Anti-Palladin/Myoneurin antibody

SL21008R

<b>Product Name:</b>	Palladin/Myoneurin
<b>Chinese Name:</b>	肌神经蛋白抗体
<b>Alias:</b>	CGI 151; CGI151; KIAA0992; MYN; Myoneurin; pa; Palladin cytoskeletal associated protein; Palld; PNCA1; Sarcoma antigen NY SAR 77; SIH002; Stx13bp1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Rabbit,Zebrafish,
<b>Applications:</b>	WB=1:500-2000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	151kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Palladin/Myoneurin:701-800/1383
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a cytoskeletal protein that is required for organizing the actin cytoskeleton. The protein is a component of actin-containing microfilaments, and it is involved in the control of cell shape, adhesion, and contraction. Polymorphisms in this gene are associated with a susceptibility to pancreatic cancer type 1, and also with a risk for myocardial infarction. Alternative splicing results in multiple transcript variants.

[provided by RefSeq, Oct 2009]

**Function:**

Cytoskeletal protein required for organization of normal actin cytoskeleton. Roles in establishing cell morphology, motility, cell adhesion and cell-extracellular matrix interactions in a variety of cell types. May function as a scaffolding molecule with the potential to influence both actin polymerization and the assembly of existing actin filaments into higher-order arrays. Binds to proteins that bind to either monomeric or filamentous actin. Localizes at sites where active actin remodeling takes place, such as lamellipodia and membrane ruffles. Different isoforms may have functional differences. Involved in the control of morphological and cytoskeletal changes associated with dendritic cell maturation. Involved in targeting ACTN to specific subcellular foci

**Subcellular Location:**

Cytoplasm, cytoskeleton. Note: Localizes to stress fibers and Z disks. Cell junction, focal adhesion. Cell projection, ruffle. Cell projection, lamellipodium.

**Tissue Specificity:**

Disease susceptibility is associated with variations affecting the gene represented in this entry.

Disease description: A malignant neoplasm of the pancreas. Tumors can arise from both the exocrine and endocrine portions of the pancreas, but 95% of them develop from the exocrine portion, including the ductal epithelium, acinar cells, connective tissue, and lymphatic tissue.

**Post-translational modifications:**

Phosphorylated predominantly on serines and, to a lesser extent, on tyrosines (By similarity). Phosphorylation at Ser-1118 by PKB/AKT1 modulates cytoskeletal organization and cell motility.

**Similarity:**

Belongs to the myotilin/palladin family.

Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

**SWISS:**

Q8WX93

**Gene ID:**

23022

**Database links:**

[Entrez Gene: 23022](#) Human

[Omim: 608092](#) Human

[SwissProt: Q8WX93](#) Human

[Unigene: 151220](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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