

## Palladin Polyclonal Antibody

<b>Catalog No :</b>	YT3585
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	Palladin
<b>Gene Name :</b>	PALLD
<b>Protein Name :</b>	Palladin
<b>Human Gene Id :</b>	23022
<b>Human Swiss Prot No :</b>	Q8WX93
<b>Mouse Swiss Prot No :</b>	Q9ET54
<b>Immunogen :</b>	Synthesized peptide derived from Palladin . at AA range: 450-530
<b>Specificity :</b>	Palladin Polyclonal Antibody detects endogenous levels of Palladin protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	150kD

## Background :

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 :

caution:Was wrongly assigned as myoneurin (Ref.2).,disease:Genetic variations in PALLD are associated with susceptibility to pancreatic cancer type 1 (PNCA1) [MIM:606856]. Expression is increased early in the development of pancreatic cancer: in normal-appearing whole tissue immediately adjacent to cancer, in the pre-cancer, and in both the familial and sporadic forms of the cancer.,disease:Genetic variations in PALLD may be associated with myocardial infarction.,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 monome

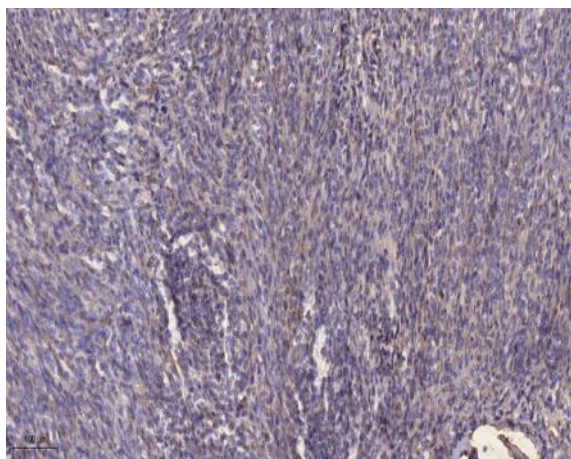
## Subcellular Location :

Cytoplasm, cytoskeleton . Cell junction, focal adhesion . Cytoplasm, myofibril, sarcomere, Z line . Cell projection, ruffle . Cell projection, podosome . Cell projection, lamellipodium . Cell projection, axon . Cell projection, growth cone . Localizes to stress fibers and Z lines (PubMed:11598191, PubMed:16125169, PubMed:17322171, PubMed:17537434). Preferentially expressed in the excitatory presynaptic terminals (By similarity). .

## Expression :

Detected in both muscle and non-muscle tissues. High expression in prostate, ovary, colon, and kidney. Not detected in spleen, skeletal muscle, lung and peripheral blood lymphocytes (at protein level). Protein is overexpressed in FA6, HPAF, IMIM-PC2, SUI-2 and PancTu-II sporadic pancreatic cancer cell lines.

## Products Images



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).