



Palladin Polyclonal Antibody

Catalog No	BYab-03168
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	PALLD
Protein Name	Palladin
Immunogen	Synthesized peptide derived from Palladin . at AA range: 450-530
Specificity	Palladin Polyclonal Antibody detects endogenous levels of Palladin protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PALLD; KIAA0992; CGI-151; Palladin; SIH002; Sarcoma antigen NY-SAR-77
Observed Band	150kD
Cell Pathway	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) .
Tissue Specificity	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, SUIT-2 and PancTu-II sporadic pancreatic cancer cell lines.
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

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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

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],

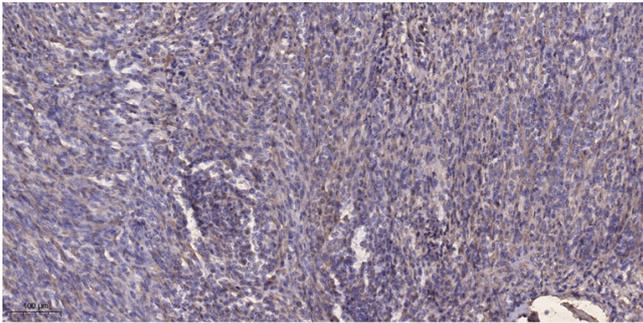
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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).