

**PALLD Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51412**

**Specification**

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**PALLD Antibody - Product Information**

Application	WB, IHC-P, E
Primary Accession	<a href="#">Q8WX93</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	151 KDa

**PALLD Antibody - Additional Information**

**Gene ID** 23022

**Other Names**

Palladin, SIH002, Sarcoma antigen NY-SAR-77, PALLD, KIAA0992

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PALLD. The exact sequence is proprietary.

**Dilution**

WB~~1:1000

IHC-P~~N/A

E~~N/A

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**PALLD Antibody - Protein Information**

**Name** PALLD

**Synonyms** KIAA0992

**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.

#### **Cellular Location**

Cytoplasm, cytoskeleton. Cell junction, focal adhesion. Cytoplasm, myofibril, sarcomere, Z line. Cell projection, ruffle. Cell projection, podosome {ECO:0000250|UniProtKB:P0C5E3}. Cell projection, lamellipodium. Cell projection, axon {ECO:0000250|UniProtKB:P0C5E3}. Cell projection, growth cone {ECO:0000250|UniProtKB:P0C5E3}. Note=Localizes to stress fibers and Z lines (PubMed:11598191, PubMed:16125169, PubMed:17322171, PubMed:17537434). Preferentially expressed in the excitatory presynaptic terminals (By similarity). {ECO:0000250|UniProtKB:P0C5E3, ECO:0000269|PubMed:11598191, ECO:0000269|PubMed:16125169, ECO:0000269|PubMed:17322171, ECO:0000269|PubMed:17537434}

#### **Tissue Location**

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

#### **PALLD Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **PALLD Antibody - Images**

#### **PALLD Antibody - Background**

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#### **PALLD Antibody - References**

Liu T.,et al.Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.  
Lockwood S.K.,et al.Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.  
Nagase T.,et al.DNA Res. 6:63-70(1999).  
Lai C.-H.,et al.Genome Res. 10:703-713(2000).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).