

Palladin Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF2780a

Specification

Palladin Antibody (N-Term) - Product Information

Application	E
Primary Accession	Q8WX93
Other Accession	NP_057165.3 , 23022
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	150564

Palladin Antibody (N-Term) - Additional Information

Gene ID 23022

Other Names

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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Palladin Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Palladin Antibody (N-Term) - 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

Palladin Antibody (N-Term) - 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](#)

Palladin Antibody (N-Term) - Images

Palladin Antibody (N-Term) - References

Palladin mutation causes familial pancreatic cancer and suggests a new cancer mechanism. Pogue-Geile KL, Chen R, Bronner MP, Crnogorac-Jurcevic T, Moyes KW, Downen S, Otey CA, Crispin DA, George RD, Whitcomb DC, Brentnall TA. PLoS Med. 2006 Dec;3(12):e516. PMID: 17194196