

Anti-PALLD / Palladin Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18447

Product Information

Application	WB, IHC-P
Primary Accession	Q8WX93
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	150564
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	23022
Alias Symbol Other Names	PALLD PALLD, Myoneurin, Sarcoma antigen NY-SAR-77, SIH002, MYN, Palladin, PNCA1, CGI-151, CGI151, KIAA0992
Target/Specificity	Recognizes endogenous levels of PALLD protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-PALLD / Palladin Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.