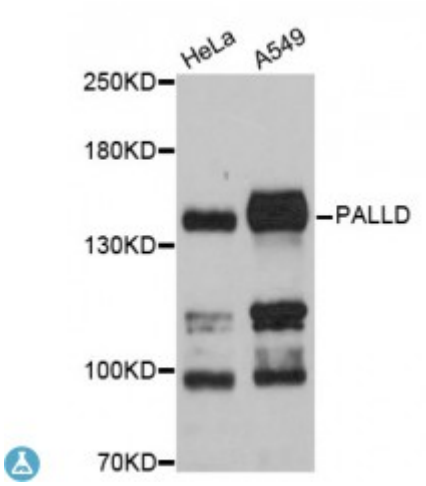
Anti-PALLD Antibody



Description	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.

Model	STJ114240
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 383-672 of human PALLD (NP_001159582.1).
Gene ID	23022
Gene Symbol	PALLD
Dilution range	WB 1:500 - 1:2000
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
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Palladin SIH002 Sarcoma antigen NY-SAR-77
Molecular Weight	150.564 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:17068OMIM:606856
Alternative Names	Palladin SIH002 Sarcoma antigen NY-SAR-77
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 Localization	Cytoplasm, cytoskeleton,
Post-translational Modifications	Phosphorylated predominantly on serines and, to a lesser extent, on tyrosines , Phosphorylation at Ser-1118 by PKB/AKT1 modulates cytoskeletal organization and cell motility,