

Anti-PCNT antibody



Description	Unconjugated Rabbit polyclonal to PCNT
Model	STJ193082
Host	Rabbit
Reactivity	Human, Mouse
Applications	IHC
Gene ID	5116
Gene Symbol	PCNT
Dilution range	IHC-p 1:50-300
Specificity	PCNT Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed in all tissues tested, including placenta, liver, kidney and thymus.
Purification	PCNT antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Pericentrin Kendrin Pericentrin-B
Molecular Weight	366 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.

Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:16068OMIM:210720
Alternative Names	Pericentrin Kendrin Pericentrin-B
Function	Integral component of the filamentous matrix of the centrosome involved in the initial establishment of organized microtubule arrays in both mitosis and meiosis. Plays a role, together with DISC1, in the microtubule network formation. Is an integral component of the pericentriolar material (PCM). May play an important role in preventing premature centrosome splitting during interphase by inhibiting NEK2 kinase activity at the centrosome.
Sequence and Domain Family	Composed of a coiled-coil central region flanked by non-helical N- and C-terminals.
Cellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Centrosomal at all stages of the cell cycle. Remains associated with centrosomes following microtubule depolymerization. Colocalized with DISC1 at the centrosome.
Post-translational Modifications	Cleaved during mitosis which leads to removal of CDK5RAP2 from the centrosome and promotes centriole disengagement and subsequent centriole separation . The C-terminal fragment is rapidly degraded following cleavage .