



PCNT Polyclonal Antibody

Catalog No	YP-Ab-07822
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF
Gene Name	PCNT KIAA0402 PCNT2
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PCNT Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-300. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PCNT;Pericentrin-B;Pericentrin B;PCNT KIAA0402 PCNT2;Pericentrin (Kendrin) (Pericentrin-B)
Observed Band	366kD
Calculated Molecular Weight	366kD
Cell Pathway	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.
Tissue Specificity	Expressed in all tissues tested, including placenta, liver, kidney and thymus.
Function	disease:Defects in PCNT are the cause of microcephalic osteodysplastic primordial dwarfism type 2 (MOPD2) [MIM:210720]; also known as osteodysplastic primordial dwarfism type 2. Adults with this rare inherited condition have an average height of 100 centimeters and a brain size comparable to that of a 3-month-old baby, but are of near-normal intelligence., function:An integral component of the pericentriolar material (PCM).,subcellular location:Centrosomal at all stages of the cell cycle. Remains associated with centrosomes following microtubule depolymerization.,subunit:Interacts with PCM1. Binds calmodulin.,tissue specificity:Expressed in all tissues tested,



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Background

The protein encoded by this gene binds to calmodulin and is expressed in the centrosome. It is an integral component of the pericentriolar material (PCM). The protein contains a series of coiled-coil domains and a highly conserved PCM targeting motif called the PACT domain near its C-terminus. The protein interacts with the microtubule nucleation component gamma-tubulin and is likely important to normal functioning of the centrosomes, cytoskeleton, and cell-cycle progression. Mutations in this gene cause Seckel syndrome-4 and microcephalic osteodysplastic primordial dwarfism type II. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

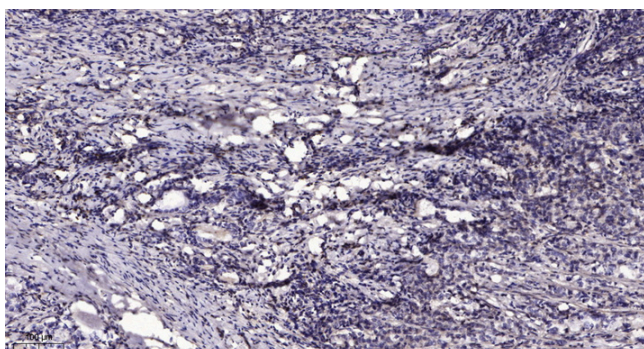
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).