

Product Name: PCNT Rabbit Polyclonal Antibody
Catalog #: APRab15856



Summary

Production Name	PCNT Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC-P,IF-P,IF-F,ICC/IF
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	PCNT
Alternative Names	KIAA0402 PCNT2
Gene ID	5116.0
SwissProt ID	O95613. Synthesized peptide derived from part region of human protein

Application

Dilution Ratio	IHC-P 1:50-300, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	366kDa

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

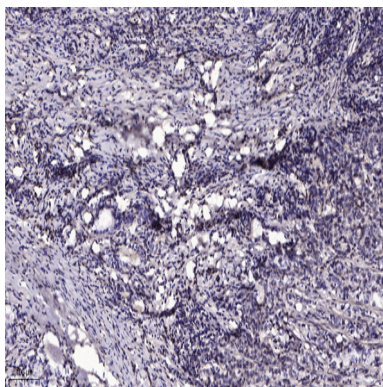
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targeting motif called the PACT domain near its C-terminus. The protein interacts with the microtubule nucleation component gamma-tubulin and is likely important to normal functioning of the centrosomes, cytoskeleton, and cell-cycle progression. Mutations 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],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, including placenta, liver, kidney and thymus.,

Research Area

Image Data



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) .

Note

For research use only.