

**Product Name: PCNT Rabbit Polyclonal Antibody**  
**Catalog #: APRab15856**



## Summary

<b>Production Name</b>	PCNT Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse

## Performance

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

## Immunogen

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

## Application

<b>Dilution Ratio</b>	IHC 1:50-300
<b>Molecular Weight</b>	366kD

## 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

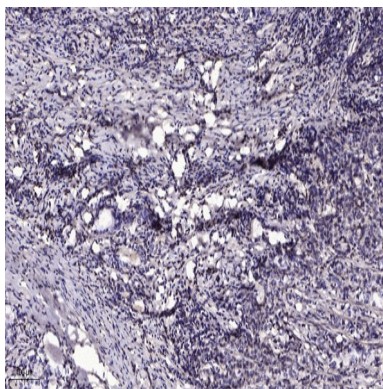
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targeting motif called the PACT domain near its C-terminus. The protein interacts with the microtubule nucleation component gamma-tubulin and is likely important to normal functioning of the centrosomes, cytoskeleton, and cell-cycle progression. Mutations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