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<b>Product name:</b>	PCNT Rabbit Polyclonal Antibody
<b>Cat number:</b>	ABN15856
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100µL
<b>Clone:</b>	Polyclonal
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	Synthesized peptide derived from part region of human protein
<b>Reactivity:</b>	Human,Mouse
<b>Applications:</b>	IHC 1:50-1:300,ICC/IF 1:50-1:200
<b>Molecular Weight:</b>	366kDa
<b>Purification:</b>	Affinity purification
<b>Form:</b>	Liquid
<b>Buffer:</b>	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
<b>Storage:</b>	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
<b>Background:</b>	<p>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],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.,</p>