

## 中心粒周蛋白抗体

产品货号： mlR7711

英文名称： PCNT

中文名称： 中心粒周蛋白抗体

别名： Centrosome Marker; Ken; Kendrin; KIAA0402; MOPD2; PCN; PCNT 2; PCNT B; PCNT1; PCNT2; PCNTB; PCTN2; Pericentrin 1; Pericentrin 1; Pericentrin 2; Pericentrin 380; Pericentrin B; SCKL4; PCNT\_HUMAN.

研究领域： 细胞生物 细胞周期蛋白 细胞分化

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量：367kDa

细胞定位：细胞浆

性状：Lyophilized or Liquid

浓度：1mg/ml

免疫原：KLH conjugated synthetic peptide derived from human Pericentrin:3101-3200/3336

亚型：IgG

纯化方法：affinity purified by Protein A

储存液：0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件：Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed：PubMed

产品介绍：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. [provided by RefSeq, Jul 2008].

**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.

**Subunit:**

Interacts with CHD3. Interacts with CHD4; the interaction regulates centrosome integrity (By similarity). Interacts with DISC1 and PCM1. Binds calmodulin. Interacts with CDK5RAP2; the interaction is leading to centrosomal localization of PCNT and CDK5RAP2. Interacts with isoform 1 of NEK2.

**Subcellular Location:**

Cytoplasm; cytoskeleton; centrosome. Note: 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.

**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.

**SWISS:**

O95613

Gene ID:

5116

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片

