

Datasheet for ABIN7269216

**anti-PCNT antibody**

## 2 Images

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## Overview

Quantity:	100 µL
Target:	PCNT
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCNT antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Purpose:	PCNT Rabbit pAb
Immunogen:	Recombinant protein of human PCNT.
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	PCNT
Alternative Name:	PCNT ( <a href="#">PCNT Products</a> )
Background:	The protein encoded by this gene binds to calmodulin and is expressed in the centrosome. It is

## Target Details

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.,KEN, PCN, MOPD2, PCNT2, PCNTB, PCTN2, SCKL4,PCNT

Molecular Weight: 378kDa

Gene ID: 5116

UniProt: [O95613](#)

Pathways: [Sensory Perception of Sound](#), [M Phase](#), [SARS-CoV-2 Protein Interactome](#)

## Application Details

Application Notes: WB,1:1000 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

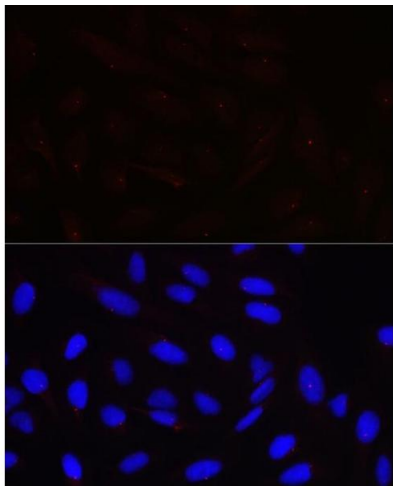
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

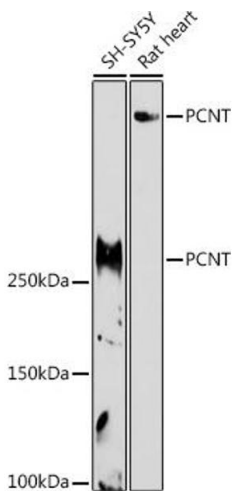
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

**Image 1.** Immunofluorescence analysis of U-2 OS cells using PCNT Rabbit pAb (ABIN7269216) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using PCNT antibody (ABIN7269216) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.