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Datasheet for ABIN7453380 **anti-PCNT antibody (AA 175-225)**

Overview

Quantity:	100 µg
Target:	PCNT
Binding Specificity:	AA 175-225
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCNT antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (fixed cells) (IF/ICC)

Product Details

Purpose:	Rabbit anti-Pericentrin/Kendrin Antibody, Affinity Purified
Immunogen:	between AA 175 and 225
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	PCNT
Alternative Name:	Pericentrin/Kendrin (PCNT Products)
Background:	Background: Pericentrin (PCNT) is a large centrosomal protein that binds calmodulin and mediates assembly of the mitotic spindle apparatus. Depletion of PCNT has been shown to

Target Details

cause apoptosis and activation of the G2/M checkpoint. Recently, mutations in the pericentrin gene have been identified as the cause of primordial dwarfism type II (MOPDII) and Seckel syndrome. Additionally, in cells of Seckel syndrome patients, PCNT has been found to be important to the DNA damage response and ATR-dependent checkpoint signaling.

Gene ID: 5116

NCBI Accession: [NP_006022](#)

UniProt: [O95613](#)

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

Application Details

Application Notes: ICC-IF: 1:1,000 - 1:5,000. Formaldehyde or Acetone fixation is recommended. Permeabilization with Triton-X 100 is recommended for formaldehyde-fixed cells.
IP: 2 - 10 µg/mg lysate
WB: 1:2,000 - 1:10,000

Restrictions: For Research Use only

Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide

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: 4 °C

Expiry Date: 12 months