For Research Use Only

Pericentrin Polyclonal antibody

Catalog Number:22271-1-AP 5 Publications

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Basic Information

Catalog Number:
22271-1-AP

Size:
150ul , Concentration: 800 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_006031

GeneID (NCBI):
5116

UNIPROT ID:
O95613

Full Name:
pericentrin

Calculated MW:
378 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC: 1:200-1:800
IF/ICC: 1:50-1:500

Applications

Tested Applications:
IHC, IF/ICC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, canine

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human intrahepatic cholangiocarcinoma tissue,

IF/ICC : MDCK cells, HeLa cells, C2C12 cells

Background Information

PCNT, also named as KIAA0402, PCNT2, Pericentrin-B and Kendrin, is an integral component of the filamentous matrix of the centrosome involved in the initial establishment of organized microtubule arrays in both mitosis and meiosis. PCNT plays a role, together with DISC1, in the microtubule network formation. Is an integral component of the pericentriolar material (PCM). PCNT is a marker of centrosome. Defects in PCNT are the cause of microcephalic osteodysplastic primordial dwarfism type 2 (MOPD2). The antibody is specific to PCNT, and it can recognize isoform 1 and 2.

Notable Publications

Author	Pubmed ID	Journal	Application
Won-Jing Wang	26609813	Elife	IF
Guobin Xie	42236697	Cell Death Dis	WB
Hannah C Saternos	39885271	Sci Rep	IF

Storage

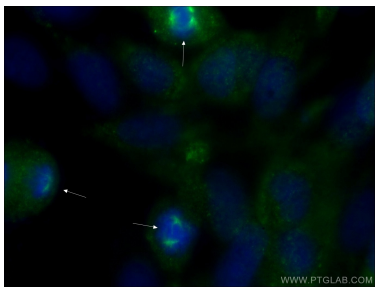
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

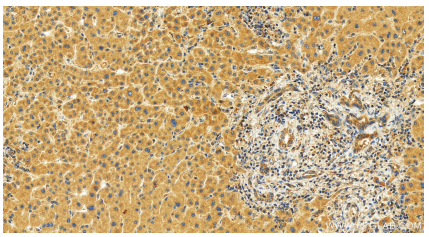
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

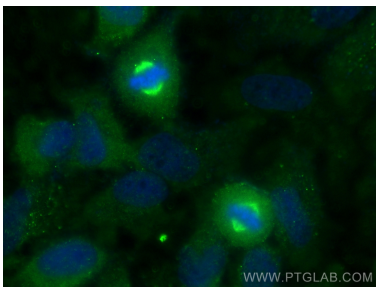
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed MDCK cells using 22271-1-AP (Pericentrin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 22271-1-AP (Pericentrin antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Pericentrin antibody (22271-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).