

For Research Use Only

# CNN2 Monoclonal antibody, PBS Only



Catalog Number: 66244-1-PBS

Featured Product

## Basic Information

Catalog Number:

66244-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG23594

GenBank Accession Number:

BC141818

GeneID (NCBI):

1265

UNIPROT ID:

Q99439

Full Name:

calponin 2

Calculated MW:

309 aa, 34 kDa

Observed MW:

34-36 kDa

Purification Method:

Protein A purification

CloneNo.:

1G10F5

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, pig

## Background Information

Calponin is a family of actin filament-associated proteins which regulate smooth muscle cell contraction. Three isoforms of calponin exist: calponin h1 (CNN1), calponin h2 (CNN2) and calponin 3 (CNN3). Calponin 1 and calponin 2 are predominately expressed in smooth muscle cells and cardiac muscle cells, respectively. Calponin 3 is highly expressed in many tissues including articular cartilage and brain.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

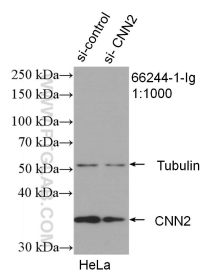
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

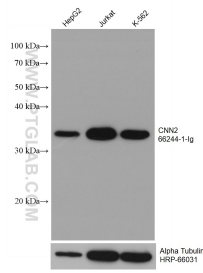
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

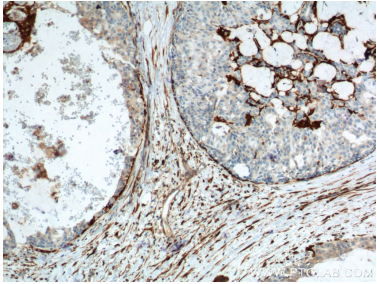
## Selected Validation Data



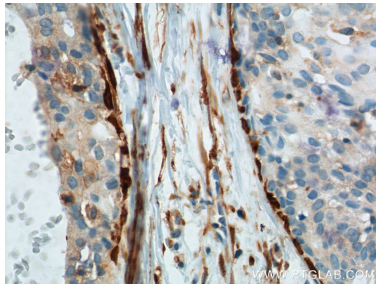
WB result of CNN2 antibody (66244-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNN2 transfected HeLa cells. This data was developed using the same antibody clone with 66244-1-PBS in a different storage buffer formulation.



HepG2 cells were subjected to SDS PAGE followed by western blot with 66244-1-Ig (CNN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 66244-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 66244-1-Ig (CNN2 Antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66244-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 66244-1-Ig (CNN2 Antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66244-1-PBS in a different storage buffer formulation.