

For Research Use Only

CNN3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86550-3-PBS



Basic Information

Catalog Number:

86550-3-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2068

GenBank Accession Number:

BC025372

GeneID (NCBI):

1266

UNIPROT ID:

Q15417

Full Name:

calponin 3, acidic

Calculated MW:

329 aa, 36 kDa

Observed MW:

36 kDa

Purification Method:

Protein A purification

CloneNo.:

251475E9

Applications

Tested Applications:

WB, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

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. CNN3 is the thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

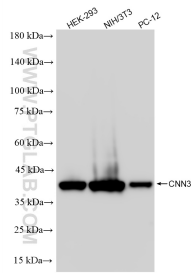
T: 4006900926

E: Proteintech-CN@ptglab.com

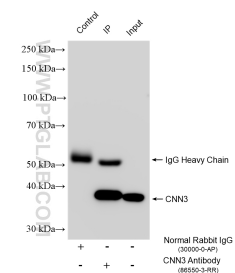
W: ptgcn.com

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

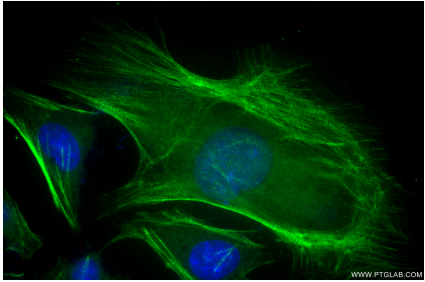
Selected Validation Data



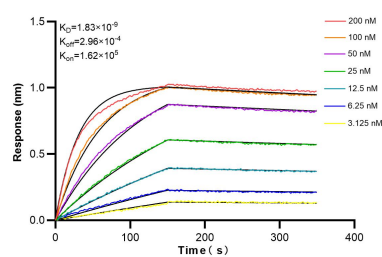
Various lysates were subjected to SDS PAGE followed by western blot with 86550-3-RR (CNN3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86550-3-PBS in a different storage buffer formulation.



IP result of anti-CNN3 (IP:86550-3-RR, 4ug; Detection:86550-3-RR 1:2000) with HEK-293 cells lysate 1200 ug. This data was developed using the same antibody clone with 86550-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CNN3 antibody (86550-3-RR, Clone: 251475E9) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 86550-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86550-3-RR against Human CNN3 were performed. The affinity constant is 1.83 nM.