

For Research Use Only

CNN3 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86550-3-PBS



Basic Information

Catalog Number:

86550-3-PBS

Size:

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

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.

Storage Buffer:

PBS only, pH7.3

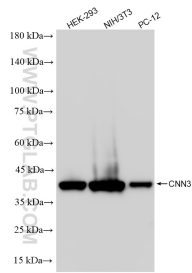
For technical support and original validation data for this product please contact:

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

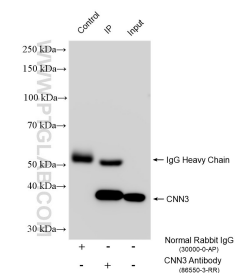
E: proteintech@ptglab.com
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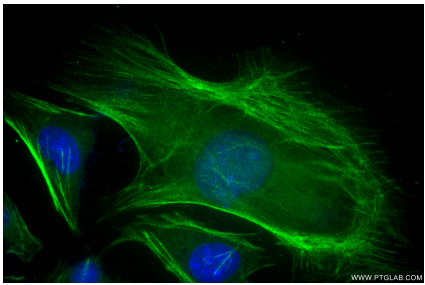
Selected Validation Data



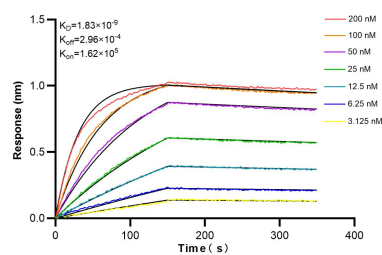
Various lysates were subjected to SDS PAGE followed by western blot with 86550-3-RR (CNN3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86550-3-PBS in a different storage buffer formulation.



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.