

CoraLite® Plus 488-conjugated CNN3 Recombinant monoclonal antibody

Catalog Number: CL488-86550-3

Basic Information

Catalog Number:

CL488-86550-3

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

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells,

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:

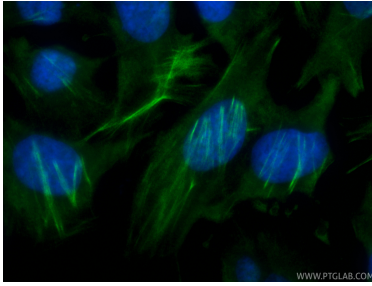
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite® Plus 488 CNN3 antibody (CL488-86550-3, Clone: 251475E9) at dilution of 1:200.