

For Research Use Only

CoraLite®488-conjugated Vimentin Polyclonal antibody



Catalog Number: CL488-10366

Featured Product

Basic Information

Catalog Number:

CL488-10366

GenBank Accession Number:

BC000163

Purification Method:

Antigen affinity purification

Size:

100ul , Concentration: 1000 µg/ml by
Nanodrop;

GeneID (NCBI):

7431

Recommended Dilutions:

IF 1:200-1:800

Source:

Rabbit

Full Name:

vimentin

Excitation/Emission maxima
wavelengths:

488 nm/515 nm

Isotype:

IgG

Calculated MW:

466 aa, 54 kDa

Observed MW:

54 kDa

Immunogen Catalog Number:

AG0489

Applications

Tested Applications:

IF

Positive Controls:

IF : HepG2 cells,

Species Specificity:

human, mouse, rat

Background Information

Vimentin, also named as VIM, belongs to the intermediate filament family. Vimentin is class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is important for stabilizing the architecture of the cytoplasm. Monocyte-derived macrophages secrete vimentin into the extracellular space in vitro. Secretion of vimentin was enhanced by the proinflammatory cytokine tumor necrosis factor-alpha (TNFA; 191160) and inhibited by the antiinflammatory cytokine IL10 (124092), suggesting that vimentin is involved in the immune response. Vimentin has specialized functions that contribute to specific dynamic cellular processes. As a phosphoprotein, 55-60 kDa of vimentin proteins can be observed due to the different phosphorylation level. Isoforms of vimentin (49 kDa and 60 kDa) had also been reported. (PMID: 8640945, 22728585).

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

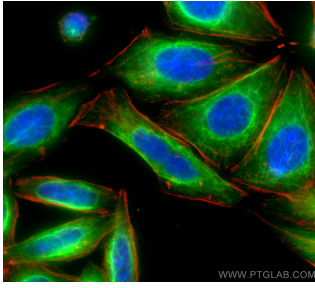
For technical support and original validation data for this product please contact:

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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 Methanol) fixed HepG2 cells using CoraLite@488 Vimentin antibody (CL488-10366) at dilution of 1:400, CoraLite@594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red).