

For Research Use Only

CoraLite® Plus 488-conjugated DIAPH3 Polyclonal antibody



Catalog Number: CL488-14342

Featured Product

Basic Information

Catalog Number:

CL488-14342

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5656

GenBank Accession Number:

BC048963

GeneID (NCBI):

81624

UNIPROT ID:

Q9NSV4

Full Name:

diaphanous homolog 3 (Drosophila)

Calculated MW:

137 kDa

Observed MW:

125-137 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF : HeLa cells,

Background Information

DIAPH3 is also referred as diaphanous-related formin-3 which binds to GTP-bound form of Rho and to profilin, acts in a Rho-dependent manner to recruit profilin to the membrane. It is required for cytokinesis, stress fiber formation, and transcriptional activation of the serum response factor. Seven isoforms of DIAPH3 exist due to the alternative splicing. Recently it has been reported that dimerization and actin assembly activity of DIAPH3 isoforms 1 and 7 are essential for induction of specific cell protrusions. It may propose that isoform-selective actin assembly by DIAPH3 exerts specific and differentially regulated functions during cell adhesion and motility.

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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

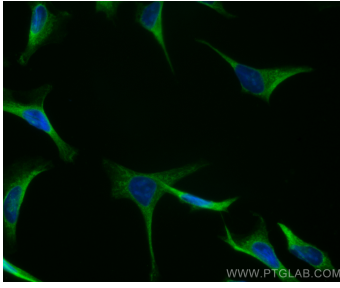
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 DIAPH3 antibody (CL488-14342) at dilution of 1:200.