For Research Use Only

CoraLite® Plus 488-conjugated mDia1 Polyclonal antibody

Catalog Number:CL488-20624 Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-20624

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG14523

GenBank Accession Number:
BC007411

GeneID (NCBI):
1729

Full Name:
diaphanous homolog 1 (Drosophila)

Calculated MW:
1272 aa, 141 kDa

Observed MW:
140-150 kDa, 70 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC (Intra), IF

Species Specificity:
human, mouse, rat, monkey

Positive Controls:

IF : HeLa cells,

Background Information

mDia1, also known as DIAPH1 or Diap1, is a mammalian diaphanous-related formin which is implicated in multiple physical and pathological events including cytoskeletal dynamics, autosomal hearing loss, and myelodysplasia. Depending upon the cell type and position in the cell cycle, mDia1 has been shown to localize to the cell cortex, trafficking endosomes, cleavage furrow, mid-bodies, and centrosomes, the cytoplasmic microtubule-organizing center crucial for cell division. Mutation of mDia1 has been linked to microcephaly. This antibody recognizes the endogenous mDia1 mainly around 140-150 kDa, while sometimes an additional 70 kDa can also be observed which is proposed to be a fragment of 140-150 kDa molecules (26011179).

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

***** 20ul sizes contain 0.1% BSA**

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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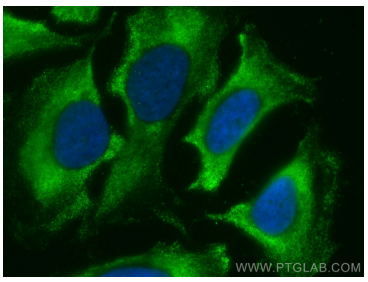
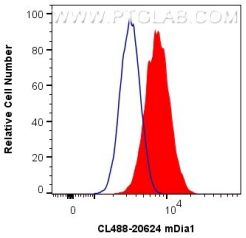
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 mDia1 antibody (CL488-20624) at dilution of 1:200.



1X10^6 HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human mDia1 (CL488-20624) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).