

DIAPH1 Rabbit mAb

Catalog No: #59887

Package Size: #59887-1 50ul #59887-2 100ul

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Description

Product Name	DIAPH1 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat
Specificity	DIAPH1 Antibody detects endogenous levels of total DIAPH1
Immunogen Description	A synthesized peptide derived from human DIAPH1
Other Names	DIAPH1; DFNA1; DIA1; DIAP1; DIAPH1; DRF1; hDIA1; LFHL1;
Accession No.	Uniprot:O60610
Calculated MW	Predicted band size: 141 kDa
SDS-PAGE MW	Observed band size: 155 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

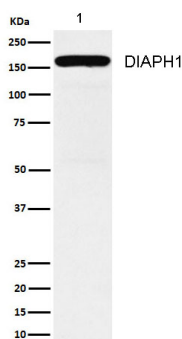
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



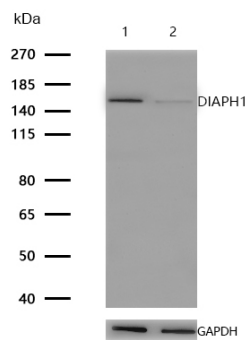
All lanes: DIAPH1 Rabbit mAb at 1/1k dilution

Lane 1 : K562 whole cell lysates
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 141 kDa
Observed band size: 155 kDa

Exposure time: 5 seconds

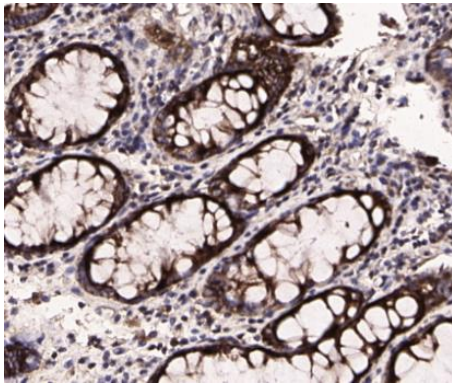


All lanes: DIAPH1 Rabbit mAb at 1/1k dilution

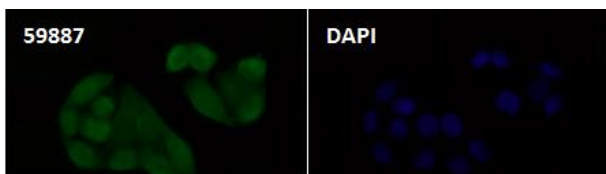
Lane 1 : Wild-type HeLa cell lysate

Lane 2 : DIAPH1 Rabbit mAb knockdown HeLa cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human colon cancer tissue stained for DIAPH1 using 59887 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence DIAPH1 antibody (59887) ICC/IF staining of DIAPH1 in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59887 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei

were counterstained with DAPI.

Background

Acts in a Rho-dependent manner to recruit PFY1 to the membrane. Required for the assembly of F-actin structures, such as actin cables and stress fibers. Nucleates actin filaments. Binds to the barbed end of the actin filament and slows down actin polymerization and depolymerization. Required for cytokinesis, and transcriptional activation of the serum response factor.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.