

For Research Use Only

DIAPH3 Recombinant antibody

Catalog Number: 85701-1-RR



Basic Information

Catalog Number:

85701-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6631

GenBank Accession Number:

BC048963

GeneID (NCBI):

81624

UNIPROT ID:

Q9NSV4

Full Name:

diaphanous homolog 3 (Drosophila)

Calculated MW:

137 kDa

Observed MW:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

242950G7

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, A549 cells, U2OS cells, HEK-293 cells,
DU 145 cells, MCF-7 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

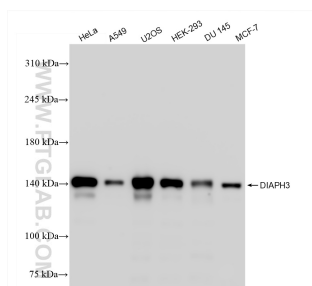
T: 4006900926

E: Proteintech-CN@ptglab.com

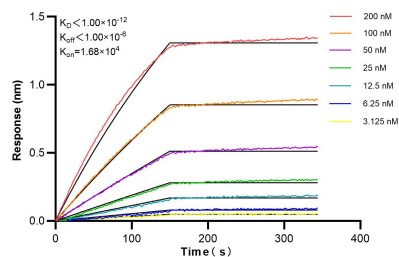
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85701-1-RR (DIAPH3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85701-1-RR against Human DIAPH3 were performed. The affinity constant is below 1 pM.