

For Research Use Only

DIAPH3 Recombinant antibody, PBS Only

Catalog Number: 85701-1-PBS



Basic Information

Catalog Number: 85701-1-PBS	GenBank Accession Number: BC048963	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 81624	CloneNo.: 242950G7
Source: Rabbit	UNIPROT ID: Q9NSV4	
Isotype: IgG	Full Name: diaphanous homolog 3 (Drosophila)	
Immunogen Catalog Number: AG6631	Calculated MW: 137 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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

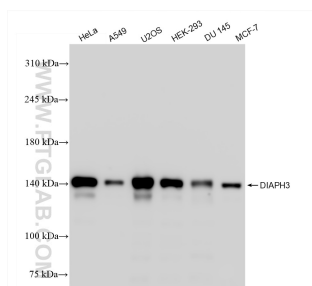
Storage:
Store at -80°C.

Storage Buffer:
PBS only

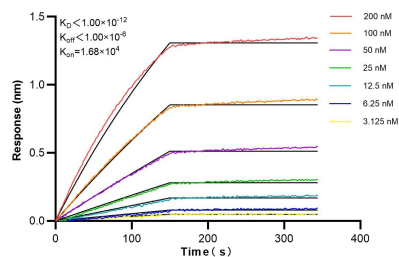
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Selected Validation Data



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. This data was developed using the same antibody clone with 85701-1-PBS in a different storage buffer formulation.



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