

For Research Use Only

# DIAPH3 Recombinant antibody, PBS Only

Catalog Number: 85701-1-PBS



## Basic Information

<b>Catalog Number:</b> 85701-1-PBS	<b>GenBank Accession Number:</b> BC048963	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 81624	<b>CloneNo.:</b> 242950G7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NSV4	
<b>Isotype:</b> IgG	<b>Full Name:</b> diaphanous homolog 3 (Drosophila)	
<b>Immunogen Catalog Number:</b> AG6631	<b>Calculated MW:</b> 137 kDa	
	<b>Observed MW:</b> 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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only

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

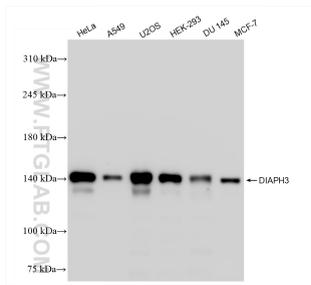
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

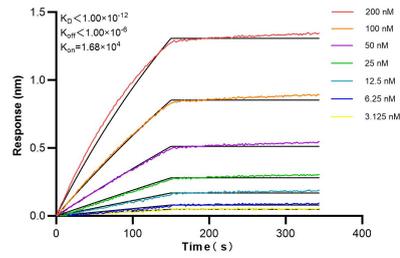
W: [ptgcn.com](http://ptgcn.com)

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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. 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.