

For Research Use Only

DAPP1 Recombinant antibody, PBS Only

Catalog Number: 85346-1-PBS



Basic Information

Catalog Number: 85346-1-PBS	GenBank Accession Number: BC012924	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 27071	CloneNo.: 242582D1
Source: Rabbit	UNIPROT ID: Q9UN19	
Isotype: IgG	Full Name: dual adaptor of phosphotyrosine and 3-phosphoinositides	
Immunogen Catalog Number: AG6459	Calculated MW: 32 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

DAPP1 was identified as dual adaptor for phosphotyrosine and 3-phosphoinositides, a novel 280 amino acid protein which contains a putative myristoylation site at its N-terminus followed by a SH2 and a PH domain at its C-terminus (PMID: 10432293). DAPP1 is also referred to B cell adaptor molecule of 32 kDa (Bam32), and is expressed by B lymphocytes, but not T lymphocytes or nonhematopoietic cells. DAPP1/Bam32 was shown to regulate BCR signaling downstream of phosphatidylinositol 3-kinase (PI3K) (PMID: 10770799). Furthermore, DAPP1/Bam32 may server to integrate PI3K and Src kinase signaling to promote Rac-dependent B cell adhesive interactions important for antigen presentation function (PMID: 20495066).

Storage

Storage:
Store at -80°C.

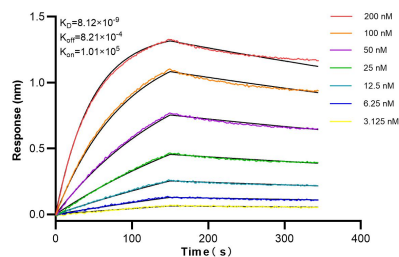
Storage Buffer:
PBS only, pH7.3

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)
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Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 85346-1-RR (DAPP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. Jurkat cells as negative control. This data was developed using the same antibody clone with 85346-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85346-1-RR against Human DAPP1 were performed. The affinity constant is 8.12 nM.