For Research Use Only

DAPP1 Recombinant antibody

Catalog Number:85346-1-RR

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Basic Information

Catalog Number:
85346-1-RR

Concentration:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG6459

GenBank Accession Number:
BC012924

GeneID (NCBI):
27071

UNIPROT ID:
Q9UN19

Full Name:
dual adaptor of phosphotyrosine and 3-phosphoinositides

Calculated MW:
32 kDa

Observed MW:
32 kDa

Purification Method:
Protein A purification

CloneNo.:
242582D1

Recommended Dilutions:
WB 1:500-1:2000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : Daudi cells, Ramos cells

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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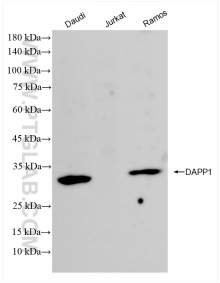
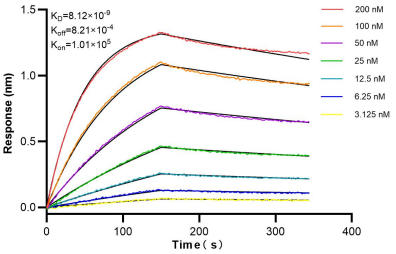
Selected Validation Data



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.



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