

## **Human/Mouse DAPP1 Antibody**

Monoclonal Mouse IgG<sub>2A</sub> Clone # 716804 Catalog Number: MAB7024

Species Reactivity	Human/Mouse			
Specificity	Detects human DAPP1 in direct ELISAs. Detects human and mouse DAPP1 in Western blots.			
Source	Monoclonal Mouse IgG <sub>2A</sub> Clone # 716804			
Purification	Protein A or G purified from hybridoma culture supernatant			
Immunogen	E. coli-derived recombinant human DAPP1 Gly2-Ser163 Accession # Q9UN19			
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.			

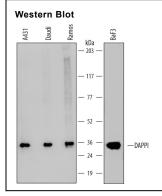
## **APPLICATIONS**

DESCRIPTION

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

## DATA



Detection of Human and Mouse DAPP1 by Western Blot. Western blot shows lysates of A431 human epithelial carcinoma cell line, Daudi human Burkitt's lymphoma cell line. Ramos human Burkitt's lymphoma cell line, and BaF3 mouse pro-B cell line. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human/Mouse DAPP1 Monoclonal Antibody (Catalog # MAB7024) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for DAPP1 at approximately 32 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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Reconstitution

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

\*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## BACKGROUND

DAPP1, also known as Bam32, is a 32 kDa intracellular adaptor protein for tyrosine-phosphorylated proteins and 3-phosphoinositides. It is expressed in B cells, T cells, and mast cells and plays a role in signal transduction during the activation of these cell types. DAPP1 is also required for progression of germinal center reactions and the adhesion of B cells to T cells. It is recruited to the plasma membrane following PI 3-kinase activation. DAPP1 contains one SH2 (aa 34-129) and one PH (aa 164-259) domain. Within aa 2-163, human DAPP1 shares approximately 90% aa sequence identity with mouse and rat DAPP1. Alternate splicing generates an additional isoform with a 22 aa substitution at the C-terminus.

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