

## DESCRIPTION

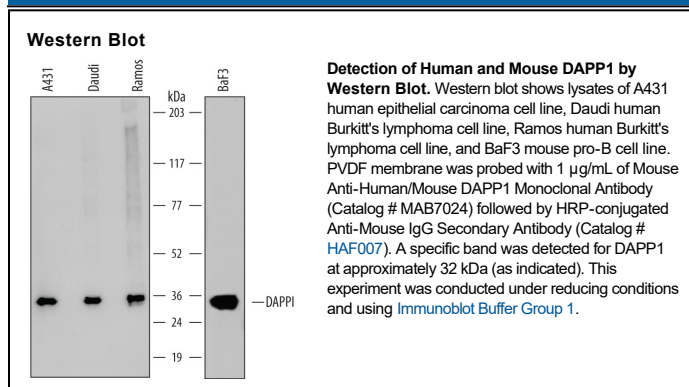
<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects human DAPP1 in direct ELISAs. Detects human and mouse DAPP1 in Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 716804
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human DAPP1 Gly2-Ser163 Accession # Q9UN19
<b>Formulation</b>	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

**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
<b>Western Blot</b>	1 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.