

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human DAPP1 in direct ELISAs. Detects human and mouse DAPP1 in Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 716804
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human DAPP1 Gly2-Ser163 Accession # Q9UN19
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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