

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TAPP1 in direct ELISAs and Western blots.
Source	Monoclonal Rat IgG _{2A} Clone # 376409
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human TAPP1 Pro2-Val404 Accession # Q9HB21
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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

TAPP1, gene name PLEKHA1 (pleckstrin homology family A, member 1) is a 70-75 kDa cytoplasmic adaptor protein that is membrane-associated after binding of the phosphoinositide, PtdIns(3,4)P₂. The 404 aa human TAPP1 shares 76% aa identity with mouse TAPP1. It is expressed most highly in skeletal muscle, spleen, lung, thymus and placenta. TAPP1 interacts with cytoskeletal syntrophins, colocalizing in membrane ruffles following PDGF treatment in transfected NIH-3T3 cells. TAPP1 and the related TAPP2 appear to play a role in B and T cell activation.

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