Human PAG1 Alexa Fluor® 532-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF5285X
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PAG1 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human PAG1 Ser38-Leu432 Accession # Q9NWQ8
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

PAG1 (Phosphoprotein-associated with glycosphingolipid-enriched microdomains 1; also Cbp/Csk-binding protein) is a 47 kDa protein that runs anomalously at 70-85 kDa in SDS-PAGE. PAG1 is a constitutively phosphorylated and palmitoylated protein that occurs in leukocyte lipid rafts. It negatively regulates Src family kinases by linking Csk to FynT. Human PAG1 is 432 amino acids (aa) in length. It is a type III (no signal sequence) transmembrane protein that contains a 16 aa extracellular region (aa 31-16) and a 395 aa cytoplasmic domain (aa 38-432). PAG1 is palmitoylated at Cys37 and phosphorylated at Tyr317 where it interacts with Csk. There is an FynT binding site at aa 131-137. One splice variant shows a 36 aa substitution for aa 293-432. Over aa 38-432, human PAG1 is 79% aa identical to mouse PAG1.

PRODUCT SPECIFIC NOTICES

Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475