

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Annexin A4 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human Annexin A1, A2, A3, A5, A6, A8, A9, A10, A11, or 13A is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 694624
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Annexin A4 Met1-Asp319 Accession # P09525
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunohistochemistry	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

Annexin A4 (ANXA4), also known as Lipocortin IV, placental anticoagulant protein II, and zymogen granule membrane-associated protein of 36 kDa (ZAP36), is a member of the Annexin protein family. Annexins are calcium-dependent phospholipid-binding proteins that are preferentially located on the cytosolic face of the plasma membrane. The Annexins consist of a unique N-terminal domain followed by a homologous C-terminal core domain containing the phospholipid-binding sites. The C-terminal domain is comprised of four 60-70 aa annexin repeats which form a tightly packed disc known as the annexin domain. Members of the Annexin family play a role in cytoskeletal interactions, phospholipase inhibition, regulation of cellular growth, and intracellular signal transduction pathways. Human Annexin A4 shares 92% aa sequence identity with mouse and rat Annexin A4.

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