



## Polyclonal Anti-Annexin IV (Sepharose Bead Conjugate)

**Catalogue No.** PA1007-S

**Lot No.** 03L01

**Ig type:** rabbit

**IgG Size:** 100µg/vial

**Specificity**

Human, mouse, rat

. No cross reactivity with other proteins.

**Recommended application**

*Immunoprecipitation(IP)*

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminal of human Annexin IV, different from the related rat and mouse sequence by single amino acid.

**Purification**

Immunogen affinity purified.

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub>a<sub>3</sub> preservative.

**Storage**

Store at 4°C for frequent use.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

### BACKGROUND

Annexin IV, also known as placental anticoagulant protein II, or zymogen granule membrane-associated protein, 36-KD (ZAP36), is one of the family of calcium-dependent phospholipid-binding proteins whose normal function is uncertain. Annexin IV has 45 to 59% identity with other members of the annexin family. Annexin IV gene spans 18 to 56 kb. And it is located on mouse chromosome 6 in a region of conserved synteny with human chromosome 2. Rat annexin IV is ubiquitously expressed in epithelial tissues. Zap36 associated with zymogen granule membranes in dog and rat pancreas. Human annexin IV gene is mapped to chromosome 2p13.

**REFERENCE** 1. Tait, J. F.; Smith, C.; Frankenberry, D. A.; Miao, C. H.; Adler, D. A.; Disteché, C. M. Chromosomal mapping of the human annexin IV (ANX4) gene. *Genomics* 12: 313-318, 1992.

2. Ponnampalam AP, Rogers PA. Cyclic changes and hormonal regulation of annexin IV mRNA and protein in human endometrium. *Mol Hum Reprod.* 2006 Nov;12(11):661-9. Epub 2006 Sep 5 3. Zschorinig O, Opitz F, Muller M. Annexin A4 binding to anionic phospholipid vesicles modulated by pH and calcium. *Eur Biophys J.* 2007 Apr;36(4-5):415-24. Epub 2007 Mar 16.

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