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## Product Information Sheet

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### Polyclonal Anti-Annexin IV (Magnetic Bead conjugate)

**Catalogue No.** PA1007-M

**Immunogen**

**Lot No.** 03L01

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.

**Ig type:** rabbit IgG

**Purity**

Immunogen affinity purified.

**Size:** 100µg/vial

**Contents**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Specificity**

Human, mouse, rat.

**Storage**

Store at 4°C for frequent use.

No cross reactivity with other proteins.

**Description**

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

**Recommended application**

Immunoprecipitation (IP)

#### 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. Zschornig 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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