

**Anti-Annexin IV Antibody**  
**Catalog # ABO10502****Specification**

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**Anti-Annexin IV Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P09525</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Annexin A4(ANXA4) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Annexin IV Antibody - Additional Information**

**Gene ID** 307

**Other Names**

Annexin A4, 35-beta calcimedin, Annexin IV, Annexin-4, Carbohydrate-binding protein p33/p41, Chromobindin-4, Endonexin I, Lipocortin IV, P32.5, PP4-X, Placental anticoagulant protein II, PAP-II, Protein II, ANXA4, ANX4

**Calculated MW**

35883 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat<br>

**Protein Name**

Annexin A4

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human Annexin IV(7-21aa TVKAASGFNAMEDAQ), different from the related mouse and rat sequences by one amino acid.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Sequence Similarities**

Belongs to the annexin family.

**Anti-Annexin IV Antibody - Protein Information**

**Name** ANXA4 ([HGNC:542](#))

**Synonyms** ANX4

**Function**

Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.

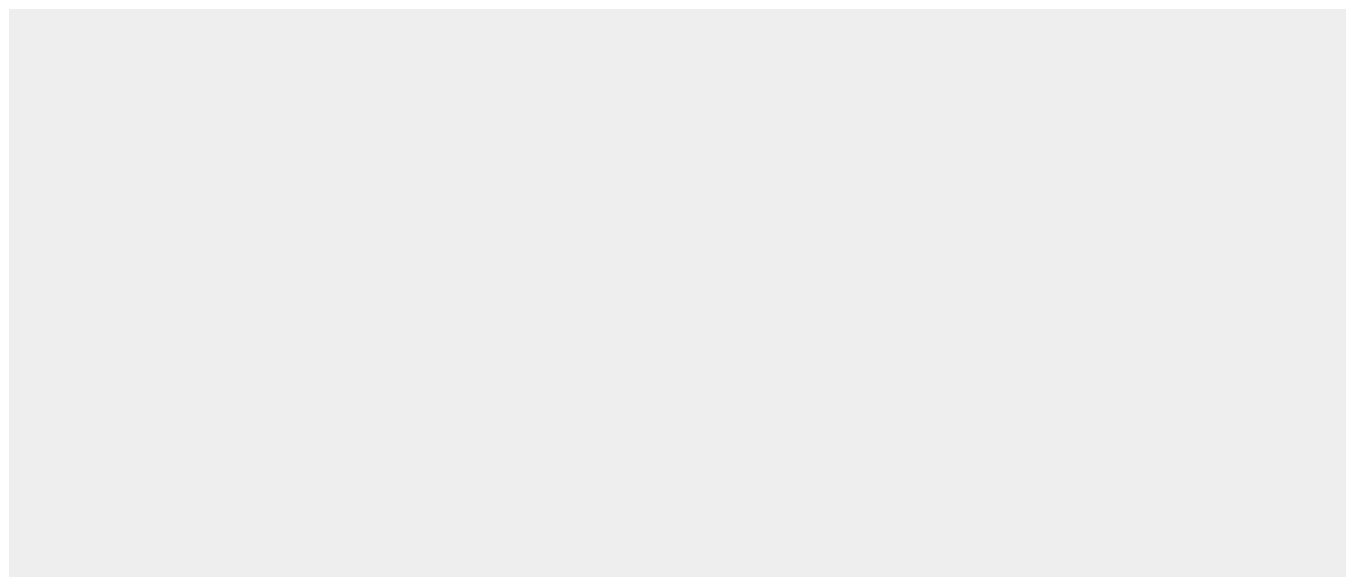
**Cellular Location**

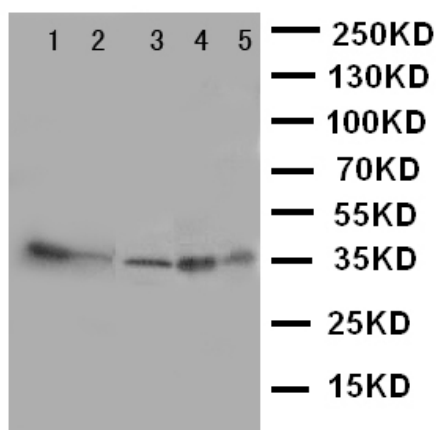
Zymogen granule membrane {ECO:0000250|UniProtKB:P50994}; Peripheral membrane protein {ECO:0000250|UniProtKB:P50994}

**Anti-Annexin IV Antibody - Protocols**

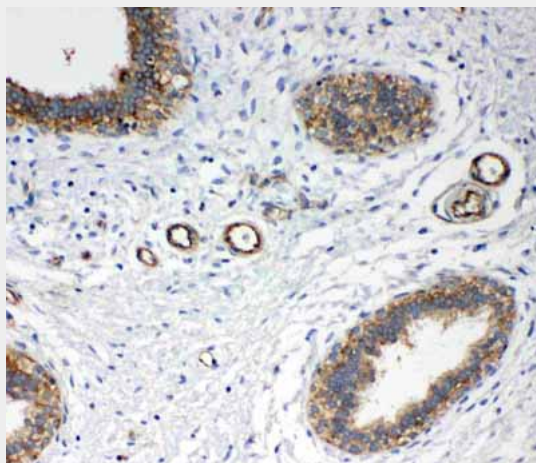
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

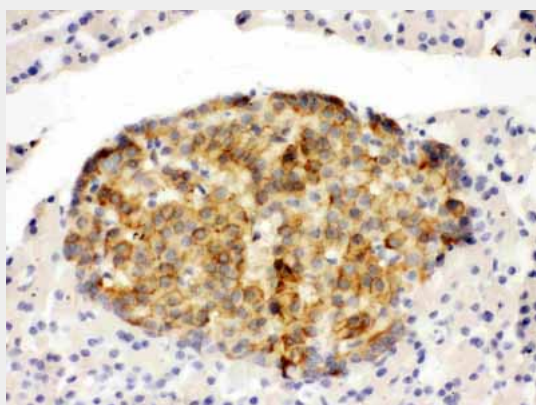
**Anti-Annexin IV Antibody - Images**



Anti-Annexin IV antibody, ABO10502, Western blotting  
Lane 1: Human Placenta Tissue Lysate  
Lane 2: Rat Liver Tissue Lysate  
Lane 3: 293T Cell Lysate  
Lane 4: HEPA Cell Lysate  
Lane 5: NIH3T3 Cell Lysate



Anti-Annexin IV antibody, ABO10502, IHC(P)IHC(P): Human Mammary Cancer Tissue



Anti-Annexin IV antibody, ABO10502, IHC(P)IHC(P): Rat Pancreas Tissue

#### Anti-Annexin IV Antibody - 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.