

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

Anti-Annexin IV Antibody - Product Information

Application	WB, IHC
Primary Accession	P09525
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
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Protein Name

Annexin A4

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

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.

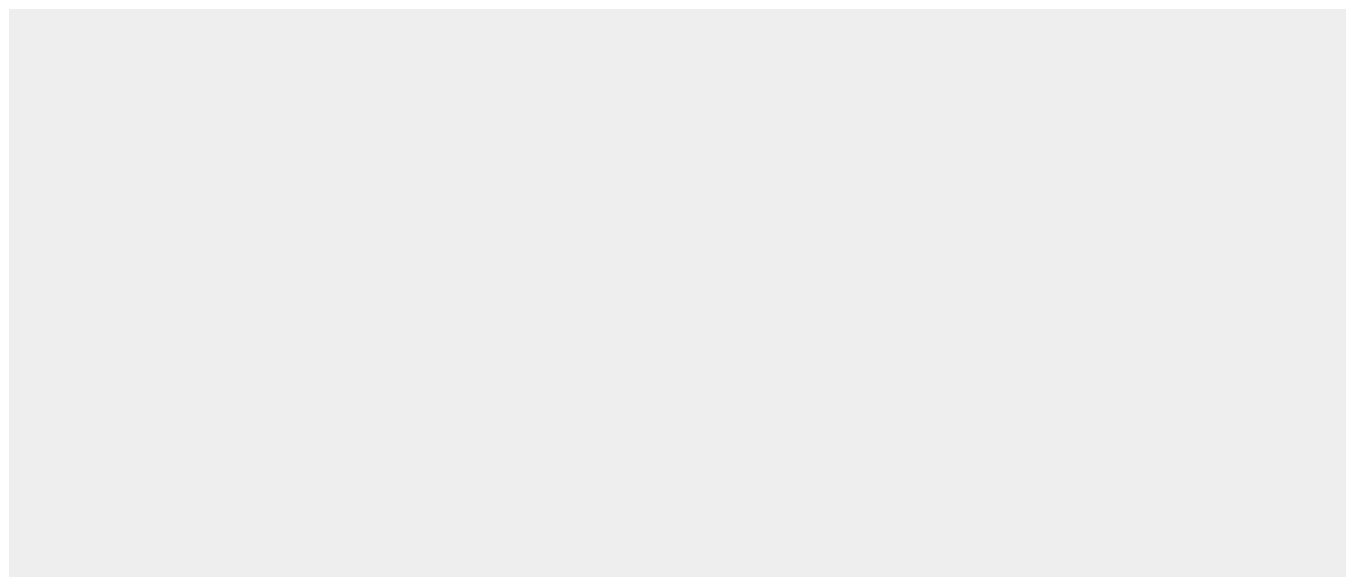
Cellular Location

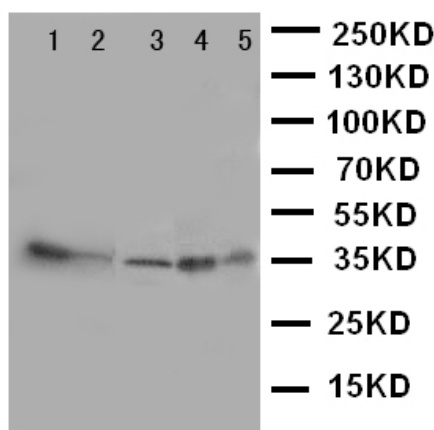
Zymogen granule membrane {ECO:0000250|UniProtKB:P50994}; Peripheral membrane protein {ECO:0000250|UniProtKB:P50994}

Anti-Annexin IV Antibody - Protocols

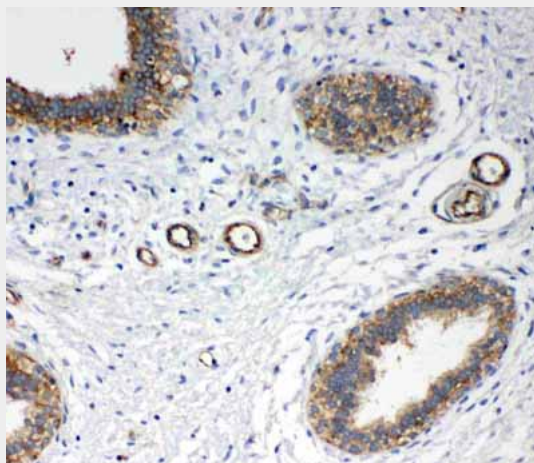
Provided below are standard protocols that you may find useful for product applications.

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

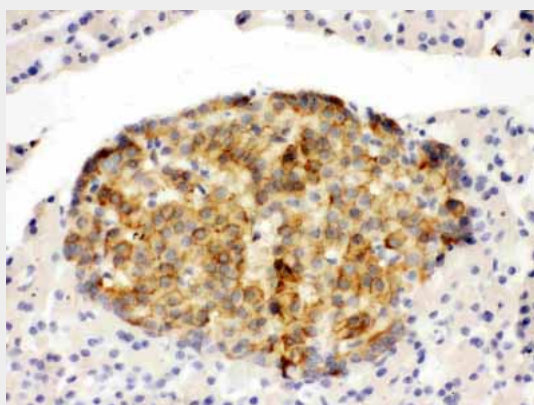
Anti-Annexin IV Antibody - Images



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.