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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Annexin IV Picoband Antibody

Catalog # ABO10311

Specification

Anti-Annexin IV Picoband Antibody - Product Information

Application	**WB**
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 in Human;Mouse;Rat.

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

Anti-Annexin IV Picoband 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
Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human

Protein Name
Annexin A4

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

Immunogen
A synthetic peptide corresponding to a sequence in the middle region of human Annexin IV (119-152aa EEIRRISQTYQQQYGRSLEDDIRSDTSFMFQRVL), different from the related mouse and rat sequences by three amino acids.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

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Storage	**At -20˚C for one year. After r˚Constitution, 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.**

Anti-Annexin IV Picoband 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 Picoband 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 Cytomety
- Cell Culture

Anti-Annexin IV Picoband Antibody - Images

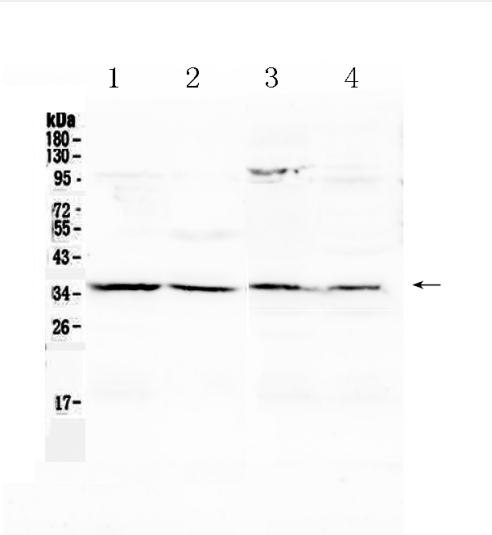


Figure 1. Western blot analysis of Annexin IV using anti- Annexin IV antibody (ABO10311).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat liver tissue lysates, Lane 2: rat kidney tissue lysates, Lane 3: mouse liver tissue lysates, Lane 4: mouse kidney tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Annexin IV antigen affinity purified polyclonal antibody (Catalog # ABO10311) at 0.5 Î¼g/mL overnight at 4Â°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Annexin IV at approximately 36KD. The expected band size for Annexin IV is at 36KD.

Anti-Annexin IV Picoband Antibody - Background

ANXA4 (Annexin A4), also known as ANX4, is a protein that in humans is encoded by the ANXA4 gene. It belongs to the annexin family of calcium-dependent phospholipid binding proteins. By PCR analysis of somatic cell hybrids and in situ hybridization with a cDNA probe, the human ANXA4 gene is mapped to chromosome 2p13. Isolated from human placenta, ANXA4 encodes a protein that has possible interactions with ATP, and has in vitro anticoagulant activity and also inhibits phospholipase A2 activity. And ANXA4 is almost exclusively expressed in epithelial cells.