

**Anti-Annexin A3 Picoband Antibody**  
**Catalog # ABO12110****Specification**

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**Anti-Annexin A3 Picoband Antibody - Product Information**

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	<a href="#">P12429</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Annexin A3(ANXA3) detection. Tested with WB, IHC-P, IHC-F, ICC in Human;Mouse;Rat.

**Reconstitution**

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

**Anti-Annexin A3 Picoband Antibody - Additional Information**

**Gene ID** 306

**Other Names**

Annexin A3, 35-alpha calcimedin, Annexin III, Annexin-3, Inositol 1, 2-cyclic phosphate 2-phosphohydrolase, Lipocortin III, Placental anticoagulant protein III, PAP-III, ANXA3, ANX3

**Calculated MW**

36375 MW KDa

**Application Details**

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

**Protein Name**

Annexin A3

**Contents**

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

**Immunogen**

A synthetic peptide corresponding to a sequence in the middle region of human Annexin A3 (153-184aa RKALLTLADGRRDESLKVDEHLAKQDAQILYK), different from the related mouse sequence by one amino acid, and from the related rat sequence by three amino acids.

**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 A3 Picoband Antibody - Protein Information

**Name** ANXA3

**Synonyms** ANX3

#### Function

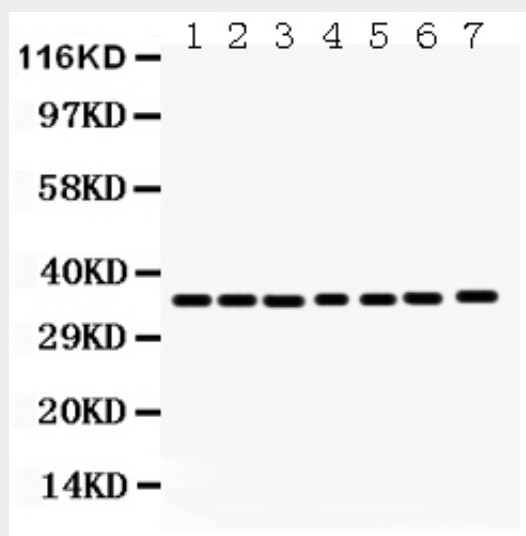
Inhibitor of phospholipase A2, also possesses anti-coagulant properties. Also cleaves the cyclic bond of inositol 1,2-cyclic phosphate to form inositol 1-phosphate.

### Anti-Annexin A3 Picoband Antibody - Protocols

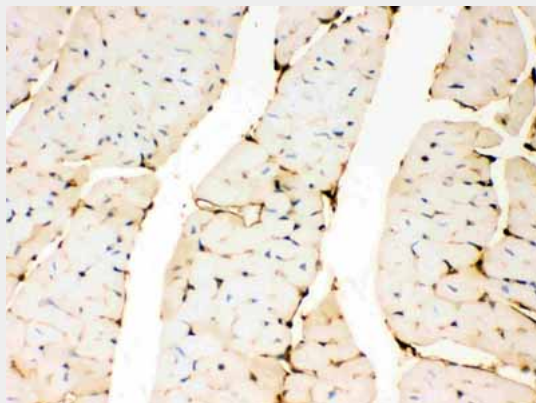
Provided below are standard protocols that you may find useful for product applications.

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

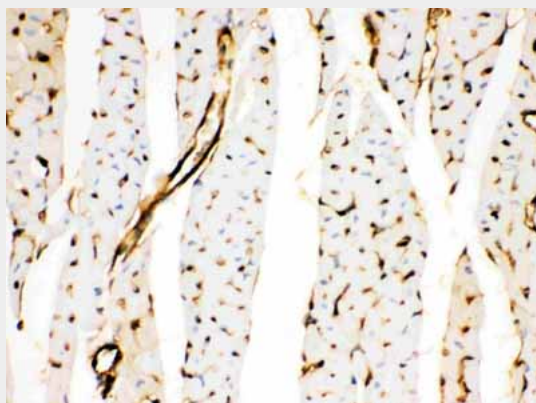
### Anti-Annexin A3 Picoband Antibody - Images



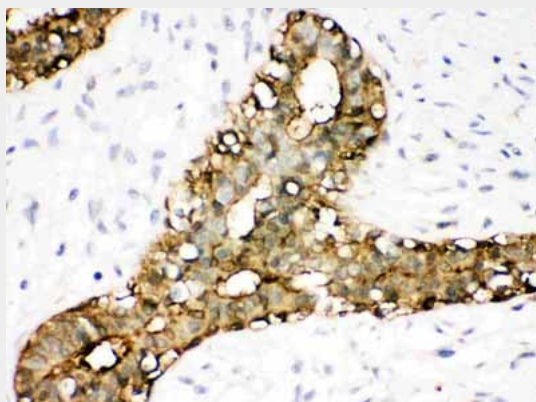
Anti- Annexin A3 Picoband antibody, ABO12110, Western blotting  
All lanes: Anti Annexin A3 (ABO12110) at 0.5ug/ml  
Lane 1: Rat Spleen Tissue Lysate at 50ug  
Lane 2: Rat Stomach Tissue Lysate at 50ug  
Lane 3: HELA Whole Cell Lysate at 40ug  
Lane 4: 22RV1 Whole Cell Lysate at 40ug  
Lane 5: A549 Whole Cell Lysate at 40ug  
Lane 6: MCF-7 Whole Cell Lysate at 40ug  
Lane 7: SW620 Whole Cell Lysate at 40ug  
Predicted bind size: 36KD  
Observed bind size: 36KD



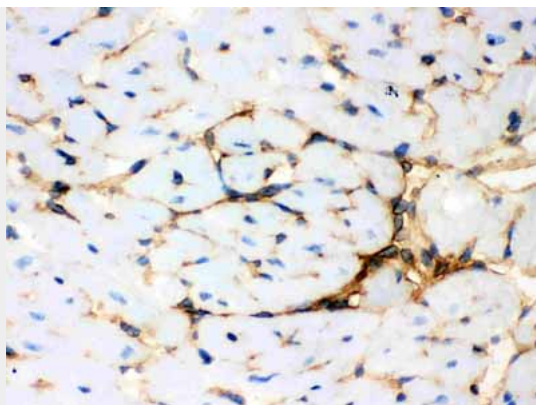
Anti- Annexin A3 Picoband antibody, ABO12110, IHC(P)  
IHC(P): Mouse Cardiac Muscle Tissue



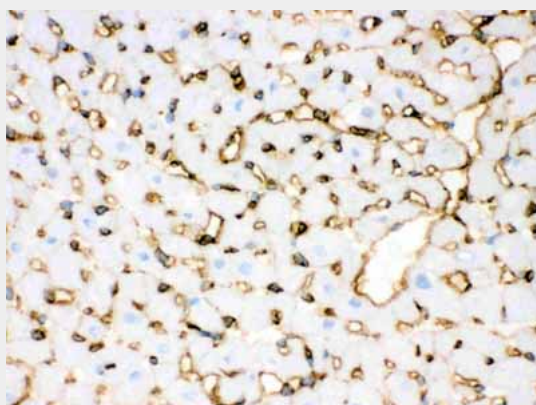
Anti- Annexin A3 Picoband antibody, ABO12110, IHC(P)  
IHC(P): Rat Cardiac Muscle Tissue



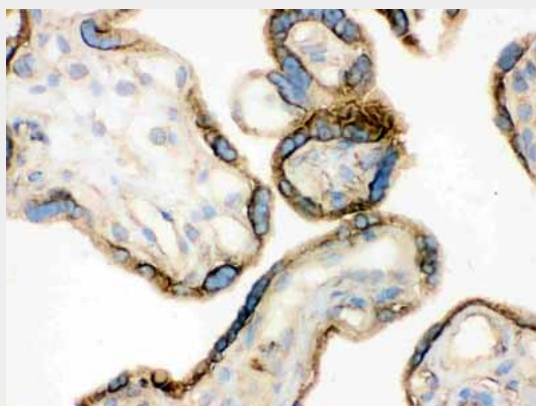
Anti- Annexin A3 Picoband antibody, ABO12110, IHC(P)  
IHC(P): Human Mammary Cancer Tissue



Anti- Annexin A3 Picoband antibody, ABO12110, IHC(F)IHC(F): Mouse Cardiac Muscle Tissue



Anti- Annexin A3 Picoband antibody, ABO12110, IHC(F)IHC(F): Rat Cardiac Muscle Tissue



Anti- Annexin A3 Picoband antibody, ABO12110, IHC(F)IHC(F): Human Placenta Tissue

#### **Anti-Annexin A3 Picoband Antibody - Background**

Annexin A3 is a protein that in humans is encoded by the Annexin A3 gene. The Annexin A3 gene contains 13 exons and spans 58 kb of genomic DNA. The Annexin A3 gene is mapped to 4q21. It is abnormally expressed in fetuses of both IVF and ICSI, which may contribute to the increase risk of birth defects in these ART. This gene encodes a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions in the inhibition of phospholipase A2 and cleavage of inositol 1,2-cyclic phosphate to form inositol 1-phosphate. This protein may also play a role in anti-coagulation.