

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

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	P12429
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
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, By Heat
Western blot, 0.1-0.5 µg/ml
Immunocytochemistry , 0.5-1 µg/ml

Protein Name

Annexin A3

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 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

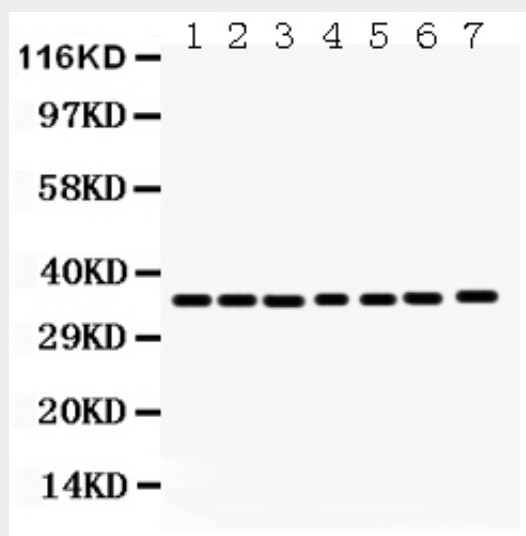
Inhibitor of phospholipase A2, also possesses anti-coagulant properties. Also cleaves the cyclic bond of inositol 1,2-cyclic phosphate to form inositol 1-phosphate.

Anti-Annexin A3 Picoband Antibody - Protocols

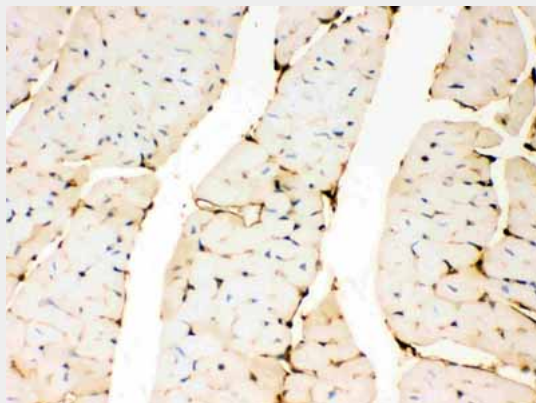
Provided below are standard protocols that you may find useful for product applications.

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

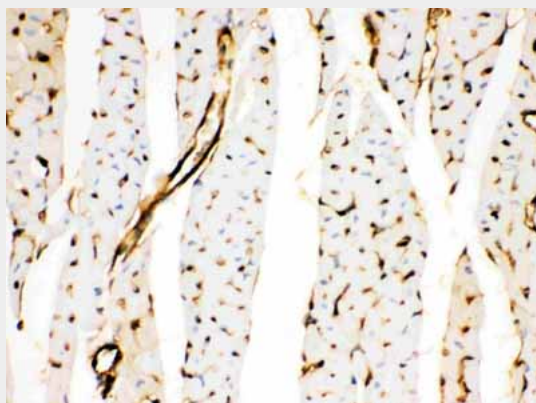
Anti-Annexin A3 Picoband Antibody - Images



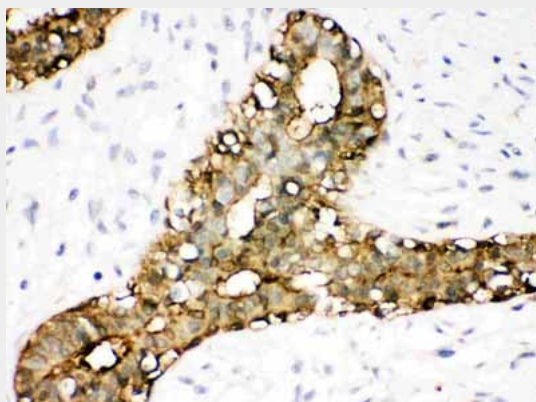
Anti- Annexin A3 Picoband antibody, ABO12110, Western blotting
All lanes: Anti Annexin A3 (ABO12110) at 0.5ug/ml
Lane 1: Rat Spleen Tissue Lysate at 50ug
Lane 2: Rat Stomach Tissue Lysate at 50ug
Lane 3: HELA Whole Cell Lysate at 40ug
Lane 4: 22RV1 Whole Cell Lysate at 40ug
Lane 5: A549 Whole Cell Lysate 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



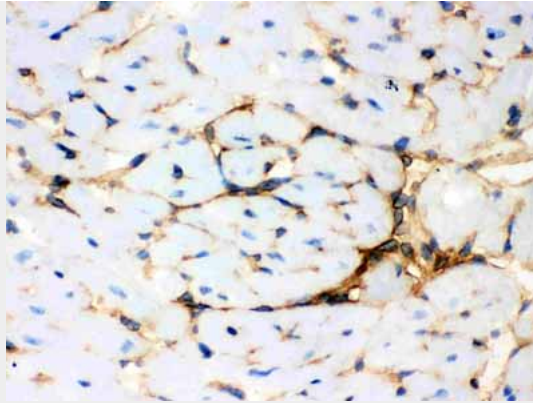
Anti- Annexin A3 Picoband antibody, ABO12110, IHC(P)
IHC(P): Mouse Cardiac Muscle Tissue



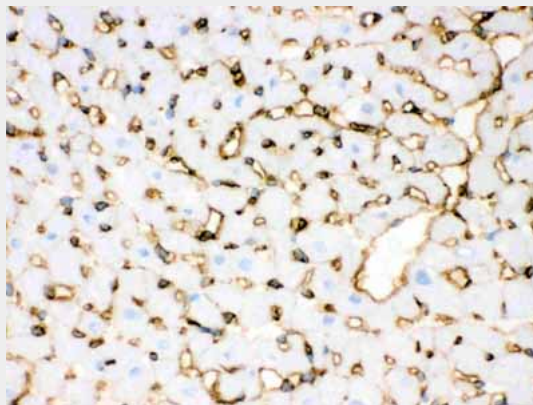
Anti- Annexin A3 Picoband antibody, ABO12110, IHC(P)
IHC(P): Rat Cardiac Muscle Tissue



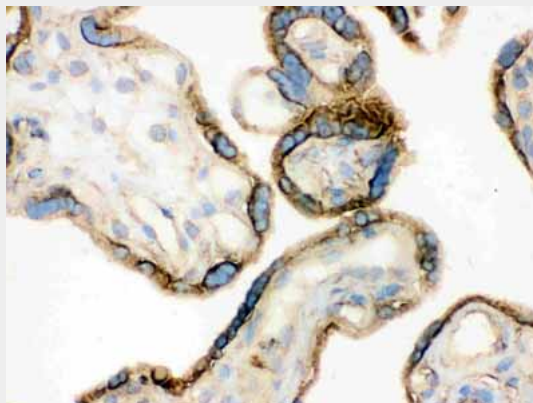
Anti- Annexin A3 Picoband antibody, ABO12110, IHC(P)
IHC(P): Human Mammary Cancer Tissue



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.