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Datasheet for ABIN3043501

anti-Annexin A3 antibody (Middle Region)

7 Images

Overview

Quantity:	100 µg
Target:	Annexin A3 (ANXA3)
Binding Specificity:	AA 153-184, Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Annexin A3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Annexin A3(ANXA3) detection. Tested with WB, IHC-P, IHC-F in Human,Mouse,Rat.
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.
Sequence:	RKALLTLADG RRDESLKVDE HLAQKQDAQIL YK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Annexin A3(ANXA3) detection. Tested with WB, IHC-P, IHC-F in Human,Mouse,Rat.

Product Details

Gene Name: annexin A3

Protein Name: Annexin A3

Purification: Immunogen affinity purified.

Target Details

Target: Annexin A3 (ANXA3)

Alternative Name: ANXA3 ([ANXA3 Products](#))

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.

Synonyms: 2-cyclic phosphate 2-phosphohydrolase antibody|35-alpha calcimedlin antibody|Annexin A3 antibody|Annexin III antibody|Annexin-3 antibody|ANX3 antibody|ANXA 3 antibody|Anxa3 antibody|ANXA3_HUMAN antibody|Inositol 1 2 cyclic phosphate 2 phosphohydrolase antibody| Inositol 1 antibody|Lipocortin III antibody|OTTHUMP00000160701 antibody| OTTHUMP00000219237 antibody|OTTHUMP00000219238 antibody|PAP III antibody|PAP-III antibody| Placental anticoagulant protein III antibody

Gene ID: 306

UniProt: [P12429](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat
Notes: Tested Species: Species with positive results. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Application Details

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and IHC(F).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

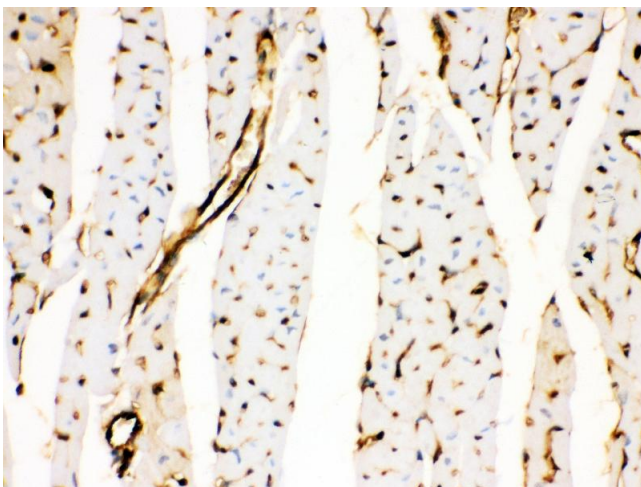
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

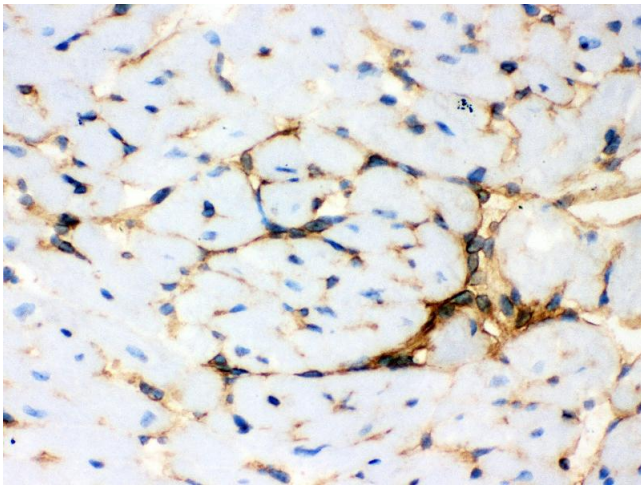
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



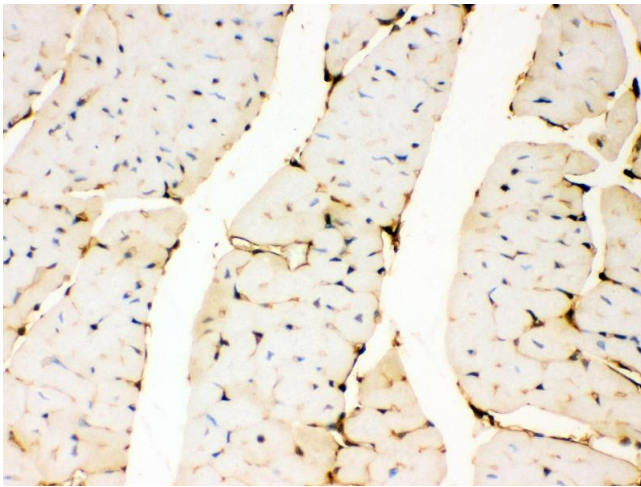
Immunohistochemistry

Image 1. Anti- Annexin A3 Picoband antibody, IHC(P)
IHC(P): Rat Cardiac Muscle Tissue



Immunohistochemistry

Image 2. Anti- Annexin A3 Picoband antibody, IHC(F) IHC(F):
Mouse Cardiac Muscle Tissue



Immunohistochemistry

Image 3. Anti- Annexin A3 Picoband antibody, IHC(P)
IHC(P): Mouse Cardiac Muscle Tissue

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3043501.