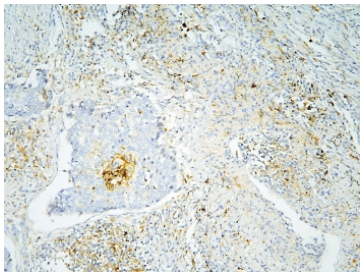
Annexin A3 Antibody (RQ4892)

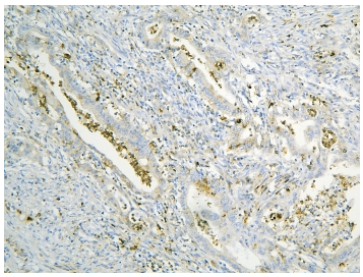
Catalog No.	Formulation	Size
RQ4892	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

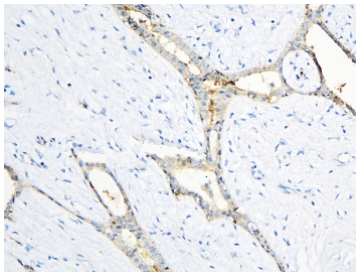
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P12429
Localization	Cytoplasmic, membranous
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Annexin A3 antibody is available for research use only.



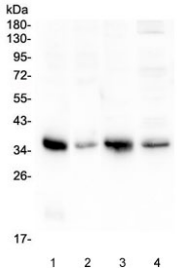
Annexin A3 Antibody Lung Cancer IHC. Immunohistochemistry staining of FFPE human lung cancer with Annexin A3 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



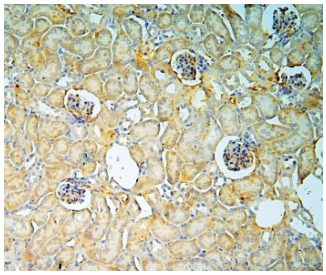
Annexin A3 Antibody Intestine Cancer IHC. Immunohistochemistry staining of FFPE human intestinal cancer with Annexin A3 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



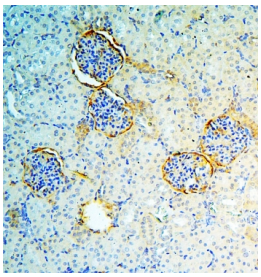
Annexin A3 Antibody Breast Cancer IHC. Immunohistochemistry staining of FFPE human breast cancer with Annexin A3 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Western blot testing of 1) rat lung, 2) rat ovary, 3) mouse lung and 4) mouse ovary with Annexin A3 antibody at 0.5ug/ml. Predicted molecular weight ~36 kDa.



Annexin A3 Antibody Mouse Kidney IHC. Immunohistochemistry staining of FFPE mouse kidney with Annexin A3 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Annexin A3 Antibody Rat Kidney IHC. Immunohistochemistry staining of FFPE rat kidney with Annexin A3 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

Description

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.

Learn more about Annexin A3 biology and its role as a calcium-dependent phospholipid-binding protein by visiting our Annexin A3 Antibody / Calcium Binding Protein Antibody page.

Application Notes

Optimal dilution of the Annexin A3 antibody should be determined by the researcher.

Immunogen

Amino acids D23-D323 from the human protein were used as the immunogen for the Annexin A3 antibody.

Storage

After reconstitution, the Annexin A3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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