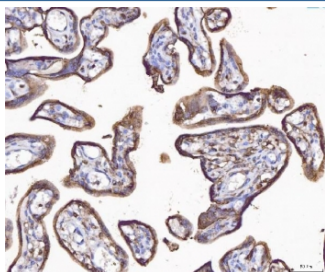


## Annexin IV Antibody (R32677)

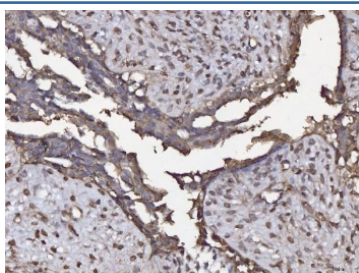
Catalog No.	Formulation	Size
R32677	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

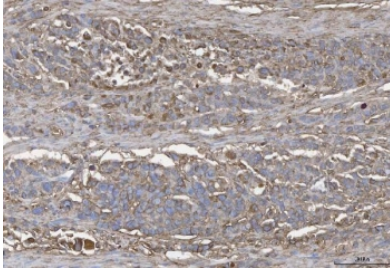
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P09525
<b>Localization</b>	Cytoplasm, nucleus, plasma membrane
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This Annexin IV antibody is available for research use only.



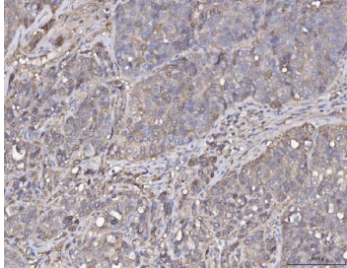
IHC staining of FFPE human placental tissue with Annexin IV antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



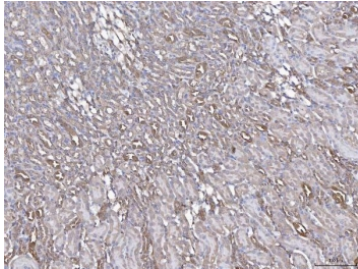
IHC staining of FFPE human breast cancer tissue with Annexin IV antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



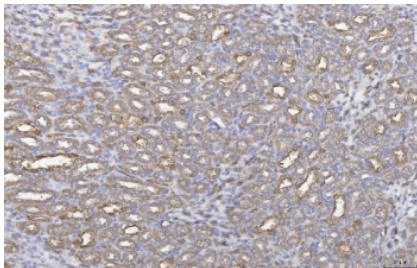
IHC staining of FFPE human colonic adenoma tissue with Annexin IV antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



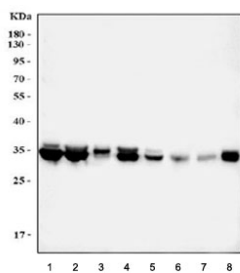
IHC staining of FFPE human liver cancer tissue with Annexin IV antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



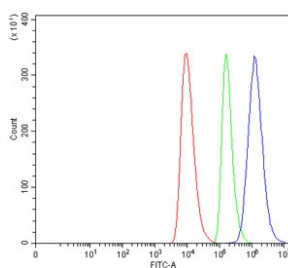
IHC staining of FFPE mouse liver tissue with Annexin IV antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat liver tissue with Annexin IV antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HepG2, 2) A549, 3) ThP-1, 4) HACAT, 5) rat stomach, 6) rat lung, 7) mouse stomach and 8) mouse lung tissue lysate with Annexin IV antibody. Predicted molecular weight ~36 kDa.



Flow cytometry testing of human HEL cells with Annexin IV antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Annexin IV antibody.

## Description

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.

## Application Notes

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

## Immunogen

Amino acids 119-152 (EEIRRISQTYQQQYGRSLEDDIRSDTSFMFQRVL) from the human protein were used as the immunogen for the Annexin IV antibody.

## Storage

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