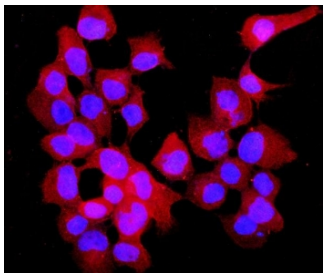
Annexin VII Antibody (R31187)

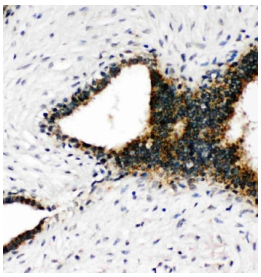
Catalog No.	Formulation	Size
R31187	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

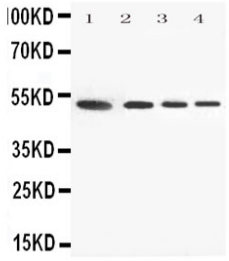
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P20073
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Immunofluorescence: 2-5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This Annexin VII antibody is available for research use only.



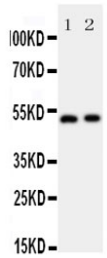
Immunofluorescent staining of FFPE human A431 cells with Annexin VII antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



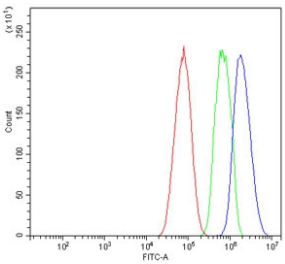
IHC staining of FFPE human breast cancer tissue with Annexin VII antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HeLa, 2) A549, 3) SMMC-7721 and 4) HT1080 cell lysate with Annexin VII antibody. Predicted molecular weight ~52 kDa.



Western blot testing of human 1) SMMC-7721 and 2) COLO-320 cell lysate with Annexin VII antibody. Predicted molecular weight ~52 kDa.



Flow cytometry testing of human HepG2 cells with Annexin VII antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Annexin VII antibody.

Description

Annexin A7, also known as ANX7 or SNX, is a protein that in humans is encoded by the ANXA7 gene. Annexin VII is a member of the annexin family of calcium-dependent phospholipid binding proteins. Shirvan et al.(1994) isolated genomic clones of the ANXA7 gene and assigned the gene to 10q21.1-q21.2 by study of somatic cell hybrids and by in situ hybridization. Srivastava et al.(2001) concluded that the gene exhibits many biologic and genetic properties expected of a tumor suppressor gene and may play a role in prostate cancer progression. Caohuy et al.(1996) present experimental evidence, based on studies of recombinant human protein and isolated bovine chromaffin cells, that ANXA7 is a Ca(2+)-dependent GTP binding protein. It was active in a chromaffin granule aggregation assays in the presence of Ca(2+) and GTP, and was deactivated upon GTP hydrolysis.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Annexin VII antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Annexin VII (TRSEIDLVQIKQMFAQ) was used as the immunogen for this Annexin VII antibody.

Storage

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

Copyright © NSJ Bioreagents. All rights reserved.