

Anti-Annexin VII Antibody
Catalog # ABO11382

Specification

Anti-Annexin VII Antibody - Product Information

Application	WB, IHC
Primary Accession	P20073
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Annexin A7 (ANXA7) detection. Tested with WB, IHC-P in Human; Mouse; Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Annexin VII Antibody - Additional Information

Gene ID 310

Other Names

Annexin A7, Annexin VII, Annexin-7, Synexin, ANXA7, ANX7, SNX

Calculated MW

52739 MW KDa

Application Details

Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse

Tissue Specificity

Isoform 1 is expressed in brain, heart and skeletal muscle. Isoform 2 is more abundant in liver, lung, kidney, spleen, fibroblasts and placenta. .

Protein Name

Annexin A7

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg Na₃N.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human Annexin VII (445-460aa TRSEIDLVLQIKQMFAQ), different from the related mouse and rat sequences by one amino acid.

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 VII Antibody - Protein Information

Name ANXA7

Synonyms ANX7, SNX

Function

Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.

Tissue Location

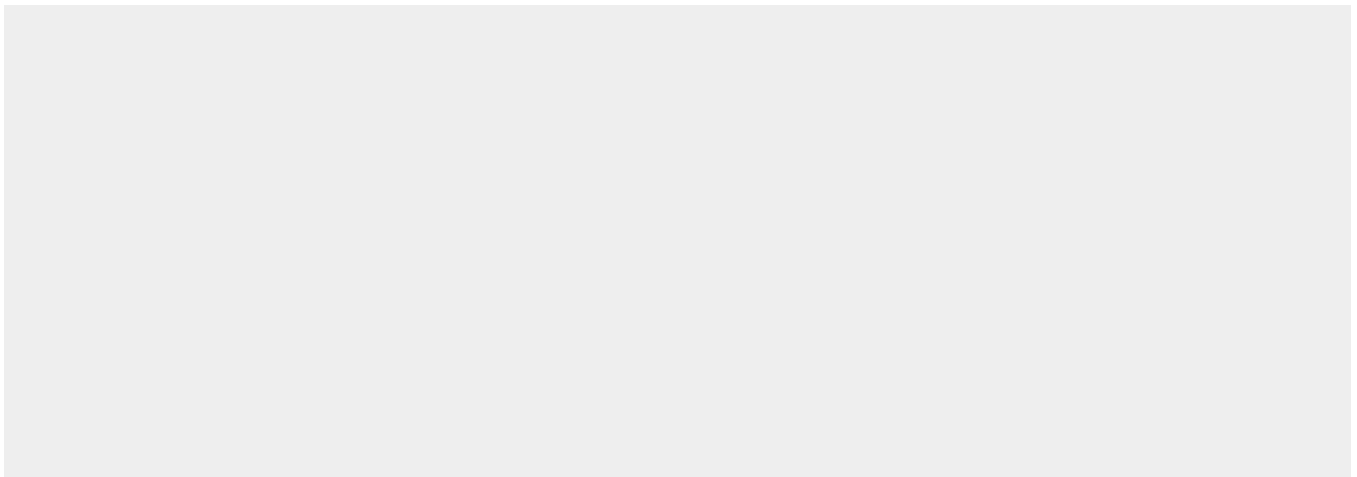
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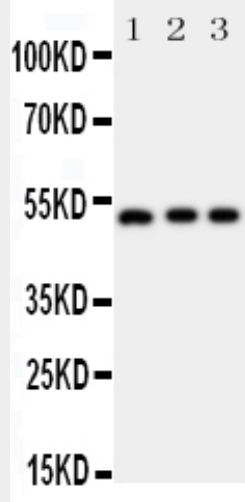
Anti-Annexin VII Antibody - Protocols

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

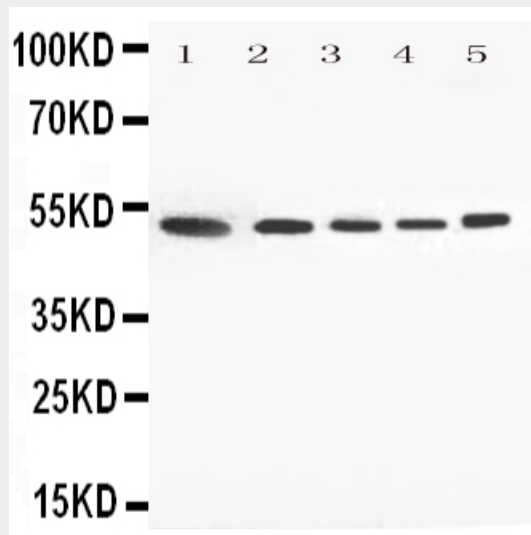
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Annexin VII Antibody - Images

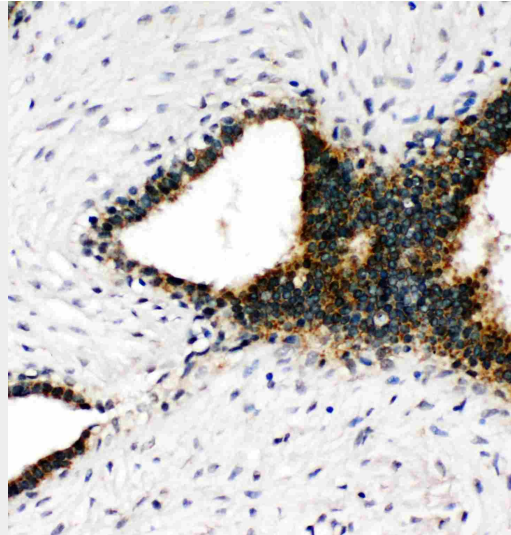




Anti-Annexin VII antibody, ABO11382, Western blotting All lanes: Anti Annexin VII (ABO11382) at 0.5ug/ml Lane 1: Rat Skeletal Muscle Tissue Lysate at 50ug Lane 2: SMMC Whole Cell Lysate at 40ug Lane 3: COLO320 Whole Cell Lysate at 40ug Predicted bind size: 52KD Observed bind size: 52KD



Anti-Annexin VII antibody, ABO11382, Western blotting All lanes: Anti Annexin VII (ABO11382) at 0.5ug/ml Lane 1: Rat Skeletal Muscle Tissue Lysate at 50ug Lane 2: HELA Whole Cell Lysate at 40ug Lane 3: A549 Whole Cell Lysate at 40ug Lane 4: SMMC Whole Cell Lysate at 40ug Lane 5: HT1080 Whole Cell Lysate at 40ug Predicted bind size: 52KD Observed bind size: 52KD



Anti-Annexin VII antibody, ABO11382, IHC(P)IHC(P): Human Mammary Cancer Tissue

Anti-Annexin VII Antibody - Background

ANXA7(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 ANX7 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 ANXA7 and isolated bovine chromaffin cells, that ANXA7 is a Ca(2+)-dependent GTP binding protein. ANXA7 was active in a chromaffin granule aggregation assays in the presence of Ca(2+) and GTP, and was deactivated upon GTP hydrolysis.