

Anti-Annexin VII Antibody

Catalog # ABO11382

Product Information

Application	WB, IHC-P
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.

Additional Information

Gene ID	310
Other Names	Annexin A7, Annexin VII, Annexin-7, Synexin, ANXA7, ANX7, SNX
Calculated MW	52739
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. .
Source	Eukaryota
Protein Name	Annexin A7
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
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

Sequence Similarities

freezing and thawing.
Belongs to the annexin family.

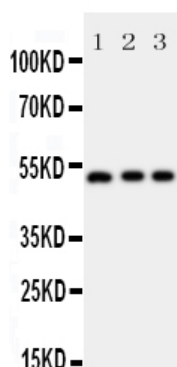
Protein Information

Name	ANXA7
Synonyms	ANX7, SNX
Function	Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.
Tissue Location	Isoform 1 is expressed in brain, heart and skeletal muscle. Isoform 2 is more abundant in liver, lung, kidney, spleen, fibroblasts and placenta.

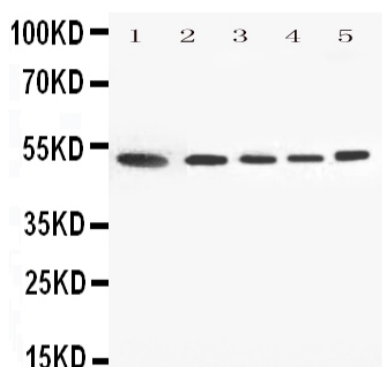
Background

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.

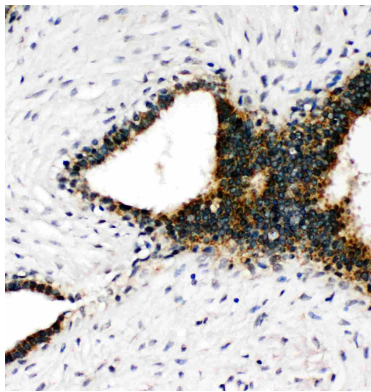
Images



Anti-Annexin VII antibody, ABO11382, Western blottingAll lanes: Anti Annexin VII (ABO11382) at 0.5ug/mlLane 1: Rat Skeletal Muscle Tissue Lysate at 50ugLane 2: SMMC Whole Cell Lysate at 40ugLane 3: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 52KDObserved bind size: 52KD



Anti-Annexin VII antibody, ABO11382, Western blottingAll lanes: Anti Annexin VII (ABO11382) at 0.5ug/mlLane 1: Rat Skeletal Muscle Tissue Lysate at 50ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: A549 Whole Cell Lysate at 40ugLane 4: SMMC Whole Cell Lysate at 40ugLane 5: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 52KDObserved bind size: 52KD



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.