

Product datasheet for **TA308796**

Annexin VII (ANXA7) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 122 and 459 of Annexin VII (Uniprot ID#P20073)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53 kDa
Gene Name:	annexin A7
Database Link:	NP_004025 Entrez Gene 310 Human P20073



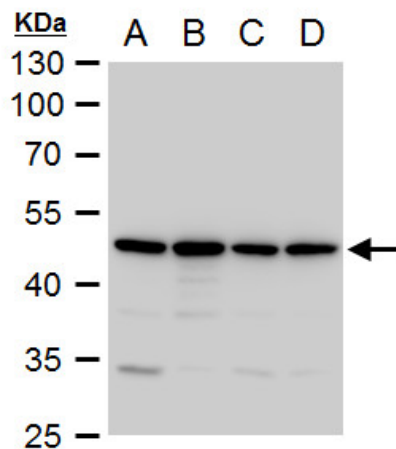
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Background:

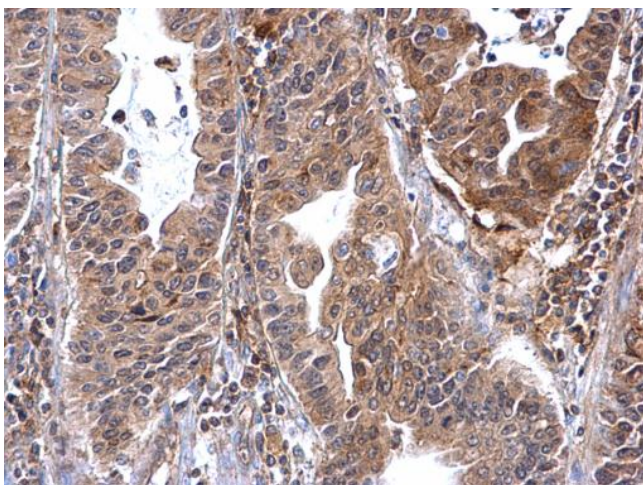
Annexin VII is a member of the annexin family of calcium-dependent phospholipid binding proteins. The Annexin VII gene contains 14 exons and spans approximately 34 kb of DNA. An alternatively spliced cassette exon results in two mRNA transcripts of 2.0 and 2.4 kb which are predicted to generate two protein isoforms differing in their N-terminal domain. The alternative splicing event is tissue specific and the mRNA containing the cassette exon is prevalent in brain, heart and skeletal muscle. The transcripts also differ in their 3'-non coding regions by the use of two alternative poly(A) signals. Annexin VII encodes a protein with a molecular weight of approximately 51 kDa with a unique, highly hydrophobic N-terminal domain of 167 amino acids and a conserved C-terminal region of 299 amino acids. The latter domain is composed of alternating hydrophobic and hydrophilic segments. Structural analysis of the protein suggests that Annexin VII is a membrane binding protein with diverse properties, including voltage-sensitive calcium channel activity, ion selectivity and membrane fusion. [provided by RefSeq]

Synonyms:

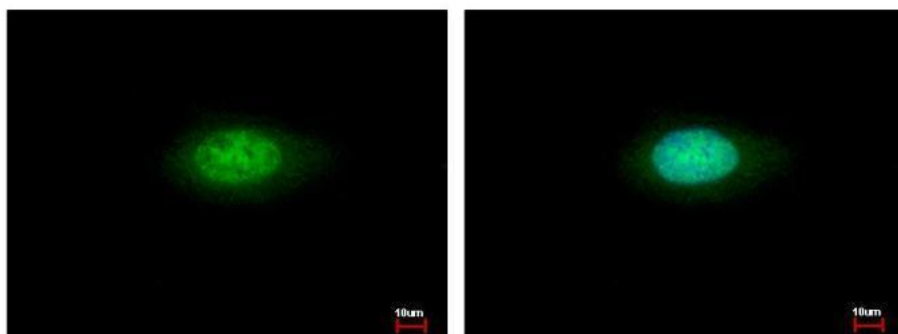
ANX7; SNX; SYNEXIN

Product images:

Annexin VII antibody detects Annexin VII protein by western blot analysis. A. 30 ug 293T whole cell extract. B. 30 ug A431 whole cell extract. C. 30 ug HeLa whole cell extract. D. 30 ug HepG2 whole cell extract. 10 % SDS-PAGE. Annexin VII antibody (TA3087)



Annexin VII antibody detects Annexin VII protein at cytosol on human gastric carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human gastric carcinoma. Annexin VII antibody (TA308796) dilution: 1:500.



Annexin VII antibody detects ANXA7 protein at cytoplasm and nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in ice-cold MeOH for 5 min. Green: ANXA7 protein stained by Annexin VII antibody (TA308796) diluted at 1:500. Blue: Hoechst 33