

Product datasheet for TA341653

Annexin VII (ANXA7) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-ANXA7 antibody: synthetic peptide directed towards the N terminal

of human ANXA7. Synthetic peptide located within the following region: MSYPGYPPTGYPPFPGYPPAGQESSFPPSGQYPYPSGFPPMGGGAYPQVP

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Conjugation: Unconjugated

Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 51 kDa

Gene Name: annexin A7

Database Link: NP 001147

Entrez Gene 310 Human

P20073



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Background:

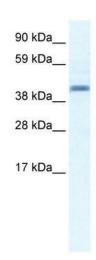
Annexin VII is a member ofThe annexin family of calcium-dependent phospholipid binding proteins. The Annexin VII gene contains 14 exons and spans approximately 34 kb of DNA. An alternatively spliced cassette exon results in two mRNA transcripts of 2.0 and 2.4 kb which are predicted to generate two protein isoforms differing inTheir N-terminal domain. The alternative splicing event is tissue specific andThe mRNA containingThe cassette exon is prevalent in brain, heart and skeletal muscle. The transcripts also differ inTheir 3'-non coding regions byThe 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 ofThe 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, Jul 2008]

Synonyms: ANX7; SNX; SYNEXIN

Note: Immunogen Sequence Homology: Rat: 100%; Human: 100%; Dog: 93%; Pig: 93%; Horse: 93%;

Rabbit: 93%; Guinea pig: 93%; Mouse: 86%; Bovine: 86%

Product images:



WB Suggested Anti-ANXA7 Antibody Titration: 2.5 ug/ml; ELISA Titer: 1:312500; Positive Control:

Human Placenta