

Datasheet for ABIN783992

**anti-Annexin VII antibody (AA 122-419)**[Go to Product page](#)**2** Images

## Overview

Quantity:	0.1 mL
Target:	Annexin VII (ANXA7)
Binding Specificity:	AA 122-419
Reactivity:	Human, Mouse, Rat, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Annexin VII antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 122 and 419 of Human Annexin VII
Specificity:	Recognizes Annexin A7.
Cross-Reactivity (Details):	Species reactivity (expected):Mouse (94 %), Rat (94 %), Cow (93 %)Species reactivity (tested):Human.
Purification:	Antigen-Affinity Chromatography.

## Target Details

Target:	Annexin VII (ANXA7)
Alternative Name:	Annexin A7 / ANXA7 ( <a href="#">ANXA7 Products</a> )

## Target Details

Background:	<p>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. Synonyms: ANX7, Annexin VII, Annexin-7, SNX, Synexin</p>
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Gene ID:	310, 9606
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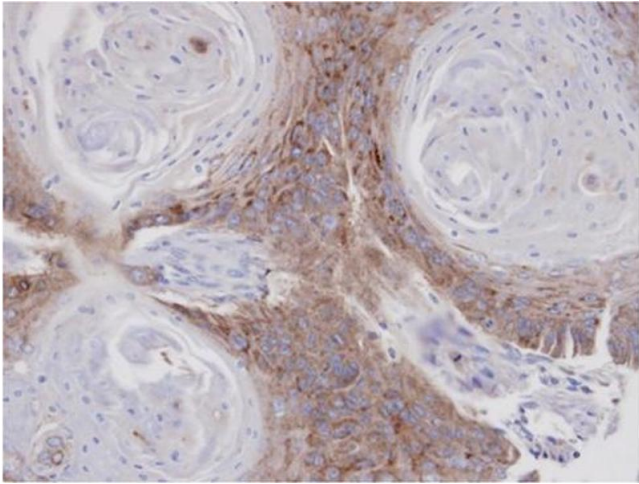
## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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Restrictions:	For Research Use only
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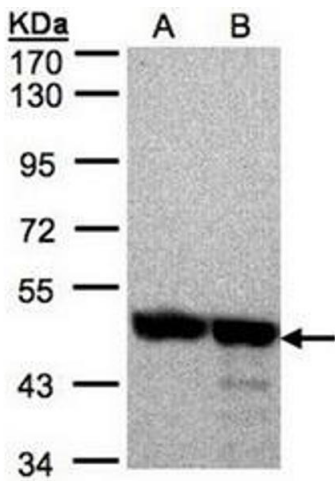
## Handling

Format:	Liquid
Concentration:	0.28 mg/mL
Buffer:	0.1 M Tris, 0.1 M Glycine, 10 % Glycerol ( pH 7) containing 0.01 % Thimerosal as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains thimerosal (merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody undiluted (in aliquots) at -20 °C.



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** AP31121PU-N ANXA7 antibody staining of paraffin-embedded Cal27 xenograft at 1/1000 dilution.



Western Blotting

**Image 2.** AP31121PU-N ANXA7 antibody staining of 293T (Lane A), A431 (B) whole cell lysates (30 µg) at 1/2000 dilution, 7.5% SDS PAGE.