

Datasheet for ABIN652686

## anti-Annexin VII antibody (AA 329-356)



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### 3 Images

#### Overview

Quantity:	400 µL
Target:	Annexin VII (ANXA7)
Binding Specificity:	AA 329-356
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Annexin VII antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Immunogen:	This ANXA7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 329-356 amino acids from the Central region of human ANXA7.
Clone:	RB22076
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Target Details

Target:	Annexin VII (ANXA7)
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## Target Details

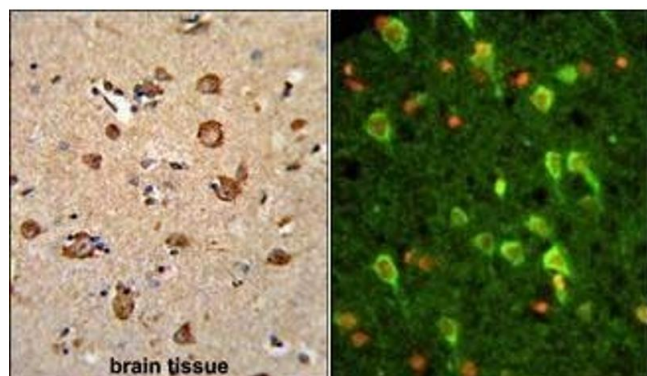
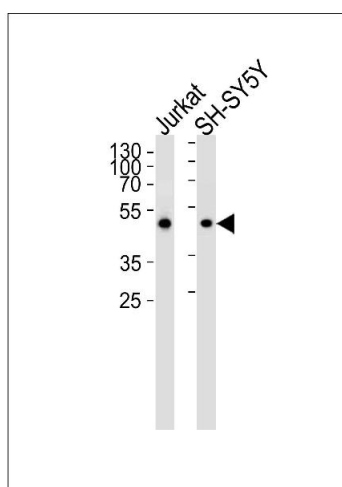
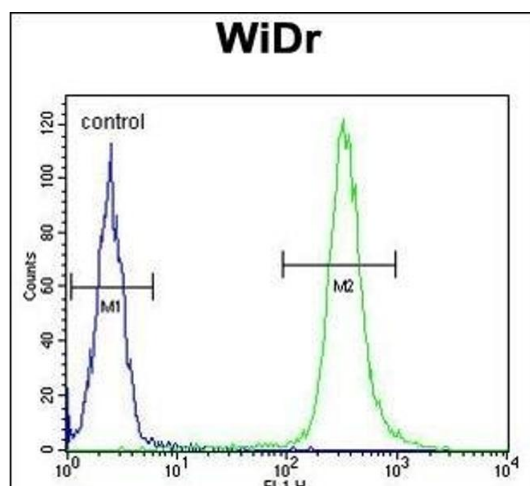
Alternative Name:	ANXA7 ( <a href="#">ANXA7 Products</a> )
Background:	<p>Annexin VII is a member of the annexin family of calcium-dependent phospholipid binding proteins. The Annexin VII gene contains 14 exons and spans approximately 34 kb of DNA. An alternatively spliced cassette exon results in two mRNA transcripts of 2.0 and 2.4 kb which are predicted to generate two protein isoforms differing in their N-terminal domain. ANXA7 is 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.</p>
Molecular Weight:	52739
Gene ID:	310
NCBI Accession:	<a href="#">NP_001147</a> , <a href="#">NP_004025</a>
UniProt:	<a href="#">P20073</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



### Flow Cytometry

**Image 1.** ANXA7 Antibody (Center) (ABIN652686 and ABIN2842457) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** ANXA7 Antibody (Center) (ABIN652686 and ABIN2842457) western blot analysis in Jurkat and SH-SY5Y cell lysates (35 µg/lane). This demonstrates that the ANXA7 antibody detected ANXA7 protein (arrow).

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** (LEFT) Formalin-fixed and paraffin-embedded human brain tissue reacted with ANXA7 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. (RIGHT) Immunofluorescence analysis of ANXA7 Antibody (Center) with paraffin-embedded human brain tissue. 0.05 mg/mL primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence. Red counterstaining is PI.