

Datasheet for ABIN1678673

anti-Annexin VII antibody (AA 237-466)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Annexin VII (ANXA7)
Binding Specificity:	AA 237-466
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Annexin VII antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 237-466 of human ANXA7 (NP_001147.1).
Sequence:	TYDDAWSLRK AMQGAGTQER VLIEILCTRT NQEIREIVRC YQSEFGRDLE KDIRSDTSGH FERLLVSMCQ GNRDENQSIN HQMAQEDAQR LYQAGEGRLG TDESCFNMIL ATRSFQQLRA TMEAYSRMAN RDLLSSVSRE FSGYVESGLK TILQCALNRP AFFAERLYYA MKGAGTDDST LVRIVVTRSE IDLVQIKQMF AQMYQKTLGT MIAGDTSGDY RRLLLAIVGQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

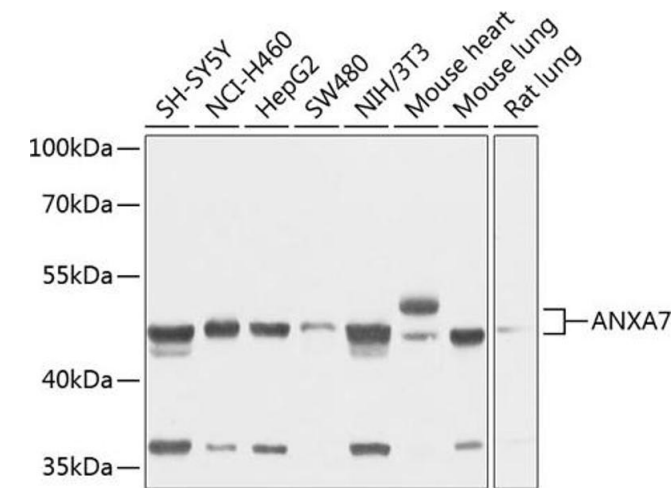
Target:	Annexin VII (ANXA7)
Alternative Name:	ANXA7 (ANXA7 Products)
Background:	<p>Annexin VII is a member of the annexin family of calcium-dependent phospholipid binding proteins. The Annexin VII gene contains 14 exons and spans approximately 34 kb of DNA. An alternatively spliced cassette exon results 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.</p> <p>ANXA7, ANX7, SNX, SYNEXIN, Signal Transduction, Cell Biology & Developmental Biology, Cell Adhesion, Annexins, Cytoskeleton, Neuroscience, Calcium Signaling, ANXA7</p>
Molecular Weight:	50 kDa/52 kDa
Gene ID:	310
UniProt:	P20073

Application Details

Application Notes:	WB, 1:200 - 1:2000
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using antibody (ABIN1678673, ABIN3018016, ABIN3018017 and ABIN6220336) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

Western Blotting

Image 2.

