

Datasheet for ABIN2774843
anti-Annexin VII antibody (N-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	Annexin VII (ANXA7)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Annexin VII antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ANXA7
Sequence:	MSYPGYPTG YPPFPGYPPA GQESSFPPSG QYPYPSGFPP MGGGAYPQVP
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 86%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ANXA7. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	Annexin VII (ANXA7)
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Target Details

Alternative Name:	ANXA7 (ANXA7 Products)
Background:	<p>ANXA7 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. The selection of poly(A) signals is independent of the mRNA splicing pattern. 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>Alias Symbols: SNX, ANX7, SYNEXIN</p> <p>Protein Interaction Partner: UBC, PAX8, ATP4A, SRC, Prkcb, Prkcg, Prkca, PRKG1, PRKACA, VCP, ANXA4, CUL4B, CUL5, ALG2, ELAVL1, CCDC90B, WDR18, LRIF1, OTUB1, CPSF3L, SEMA5B, INPP5K, ACTL6B, CSAD, SDF4, MED31, TAF5L, TRMT2A, TUBB2B, CPNE2, ZNF431, KLHL23, DOCK7, WDR73, FBN3, RBM48, ADA</p> <p>Protein Size: 466</p>
Molecular Weight:	51 kDa
Gene ID:	310
NCBI Accession:	NM_001156 , NP_001147
UniProt:	Q5T0M6

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 466 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
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Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Harden, Perez-Carrion, Babakordi, Plummer, Hepburn, Barker, Wright, Evans, Corfe: "Evaluation of the salivary proteome as a surrogate tissue for systems biology approaches to understanding appetite." in: Journal of proteomics , Vol. 75, Issue 10, pp. 2916-23, (2012) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-ANXA7 Antibody Titration: 2.5ug/ml ELISA Titer: 1:312500 Positive Control: Human Placenta



Western Blotting

Image 2. Host: Rabbit Target Name: ANXA7 Sample Tissue: Human 786-0 Whole Cell Antibody Dilution: 1ug/ml