

ARG55163 anti-Annexin A7 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Annexin A7
Tested Reactivity	Hu
Predict Reactivity	Ms, Bov, Mk
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Annexin A7
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 329-356 (Center) of Human Annexin A7.
Conjugation	Un-conjugated
Alternate Names	Synexin; Annexin VII; SYNEXIN; ANX7; Annexin-7; Annexin A7; SNX

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	

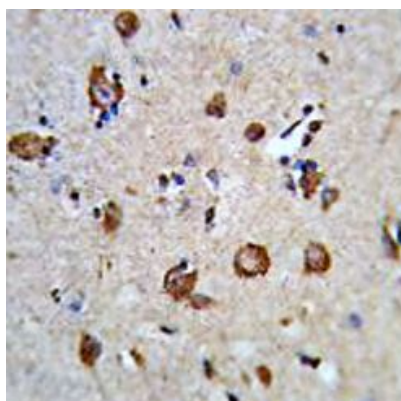
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

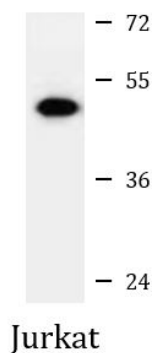
Database links	GeneID: 310 Human Swiss-port # P20073 Human
Gene Symbol	ANXA7
Gene Full Name	annexin A7
Background	<p>Annexin VII is a member of the annexin family of calcium-dependent phospholipid binding proteins. The Annexin VII gene contains 14 exons and spans approximately 34 kb of DNA. An alternatively 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. [provided by RefSeq, Jul 2008]</p>
Function	Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	53 kDa

Images



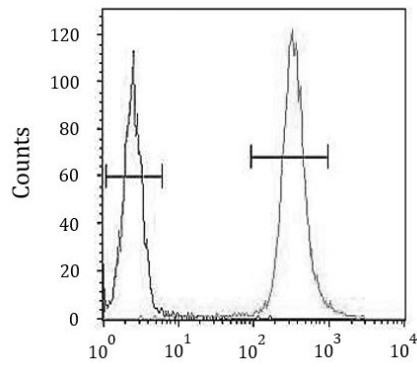
ARG55163 anti-Annexin A7 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human brain tissue stained with ARG55163 anti-Annexin A7 antibody.



ARG55163 anti-Annexin A7 antibody WB image

Western blot: 35 µg of Jurkat cell lysate stained with ARG55163 anti-Annexin A7 antibody.



ARG55163 anti-Annexin A7 antibody FACS image

Flow Cytometry: WiDr cells stained with ARG55163 anti-Annexin A7 antibody (right histogram) or without primary antibody control (left histogram), followed by incubation with FITC labelled secondary antibody.