



# Anti-ANXA7 monoclonal antibody (DCABH-10530)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Antigen Description

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.

<b>Immunogen</b>	A synthetic peptide of human ANXA7 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

Gene Name	<a href="#">ANXA7 annexin A7 [ Homo sapiens ]</a>
Official Symbol	ANXA7
Synonyms	ANXA7; annexin A7; ANX7; annexin-7; annexin VII; SNX; SYNEXIN;
Entrez Gene ID	<a href="#">310</a>
Protein Refseq	<a href="#">NP_001147</a>
UniProt ID	<a href="#">P20073</a>
Chromosome Location	10q22.2
Function	calcium ion binding; calcium-dependent phospholipid binding; calcium-dependent protein binding; protein binding;