Human ANXA7 Knockdown Cell Lysate

Cat. No. ANXA7-039HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated ANXA7 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	53 kDa

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Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ANXA7 KD HeLa cell lysate
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	ANXA7 annexin A7 [Homo sapiens (human)]
Official Symbol	ANXA7
Synonyms	ANXA7; annexin A7; ANX7; annexin-7; annexin VII; SNX; SYNEXIN;
Gene ID	310
mRNA Refseq	NM_001156
Protein Refseq	NP_001147
MIM	186360

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UniProt ID	P20073

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