

## Human ARPC2 Knockdown Cell Lysate

Cat. No. ARPC2-055HKCL Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	WB-validated ARPC2 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein encoded by this gene, the p34 subunit, has yet to be determined. Two alternatively spliced variants have been characterized to date. Additional alternatively spliced variants have been described but their full length nature has not been determined.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	34 kDa
<b>Notes</b>	<p>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.</p>
<b>Storage</b>	Store at -20 centigrade for two years.
<b>Concentration</b>	Lot-specific

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<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ARPC2 KD HeLa cell lysate
<b>Protein Pathways</b>	Fc gamma R-mediated phagocytosis, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	ARPC2 actin related protein 2/3 complex, subunit 2, 34kDa [ Homo sapiens (human) ]
<b>Official Symbol</b>	ARPC2
<b>Synonyms</b>	ARPC2; actin related protein 2/3 complex, subunit 2, 34kDa; actin related protein 2/3 complex, subunit 2 (34 kD); actin-related protein 2/3 complex subunit 2; ARC34; p34 Arc; arp2/3 complex 34 kDa subunit; ARP2/3 protein complex subunit 34; PRO2446; p34-Arc; PNAS-139;
<b>Gene ID</b>	10109
<b>mRNA Refseq</b>	NM_005731
<b>Protein Refseq</b>	NP_005722
<b>MIM</b>	604224
<b>UniProt ID</b>	O15144

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