

# Human ARRB1 Knockdown Cell Lysate

Cat. No. ARRB1-056HKCL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	WB-validated ARRB1 Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. Arrestin beta 1 is a cytosolic protein and acts as a cofactor in the beta-adrenergic receptor kinase (BARK) mediated desensitization of beta-adrenergic receptors. Besides the central nervous system, it is expressed at high levels in peripheral blood leukocytes, and thus the BARK/beta-arrestin system is believed to play a major role in regulating receptor-mediated immune functions. Alternatively spliced transcripts encoding different isoforms of arrestin beta 1 have been described.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	47 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>

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<b>Storage</b>	Store at -20 centigrade for two years.
<b>Concentration</b>	Lot-specific
<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ARRB1 KD HeLa cell lysate
<b>Protein Families</b>	Druggable Genome
<b>Protein Pathways</b>	Chemokine signaling pathway, Endocytosis, MAPK signaling pathway
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ARRB1 arrestin, beta 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">ARRB1</a>
<b>Synonyms</b>	ARRB1; arrestin, beta 1; ARR1; beta-arrestin-1; arrestin 2; ARB1;
<b>Gene ID</b>	<a href="#">408</a>
<b>mRNA Refseq</b>	<a href="#">NM_004041</a>
<b>Protein Refseq</b>	<a href="#">NP_004032</a>
<b>MIM</b>	<a href="#">107940</a>
<b>UniProt ID</b>	<a href="#">P49407</a>

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