

Human ARRB1 Knockdown Cell Lysate

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

SPECIFICATION

Product Overview	WB-validated ARRB1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	47 kDa
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.

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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 ARRB1 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Chemokine signaling pathway, Endocytosis, MAPK signaling pathway
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	ARRB1 arrestin, beta 1 [Homo sapiens (human)]
Official Symbol	ARRB1
Synonyms	ARRB1; arrestin, beta 1; ARR1; beta-arrestin-1; arrestin 2; ARB1;
Gene ID	408
mRNA Refseq	NM_004041
Protein Refseq	NP_004032
MIM	107940
UniProt ID	P49407

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