

Human AHR Knockdown Cell Lysate

Cat. No. AHR-030HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated AHR Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene is a ligand-activated helix-loop-helix transcription factor involved in the regulation of biological responses to planar aromatic hydrocarbons. This receptor has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome P450. Before ligand binding, the encoded protein is sequestered in the cytoplasm; upon ligand binding, this protein moves to the nucleus and stimulates transcription of target genes.
Form	Cell-Tissue Lysis buffer
Molecular Mass	96 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.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg AHR KD HeLa cell lysate
Protein Families	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	AHR aryl hydrocarbon receptor [Homo sapiens (human)]
Official Symbol	AHR
Synonyms	AHR; aryl hydrocarbon receptor; bHLHe76; AH-receptor; ah receptor; aromatic hydrocarbon receptor; class E basic helix-loop-helix protein 76;
Gene ID	196
mRNA Refseq	NM_001621
Protein Refseq	NP_001612
MIM	600253
UniProt ID	P35869

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