

Human ARNT Knockdown Cell Lysate

Cat. No. ARNT-054HKCL **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | WB-validated ARNT Knockdown HeLa Cell Lysate |
| Species | Human |
| Source | HeLa |
| Description | <p>This gene encodes a protein containing a basic helix-loop-helix domain and two characteristic PAS domains along with a PAC domain. The encoded protein binds to ligand-bound aryl hydrocarbon receptor and aids in the movement of this complex to the nucleus, where it promotes the expression of genes involved in xenobiotic metabolism. This protein is also a co-factor for transcriptional regulation by hypoxia-inducible factor 1. Chromosomal translocation of this locus with the ETV6 (ets variant 6) gene on chromosome 12 have been described in leukemias. Alternative splicing results in multiple transcript variants.</p> |
| Form | Cell-Tissue Lysis buffer |
| Molecular Mass | 87 kDa |
| Notes | <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> |
| Storage | Store at -20 centigrade for two years. |

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|-------------------------|---|
| Concentration | Lot-specific |
| Shipping | Blue Ice |
| Components | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ARNT KD HeLa cell lysate |
| Protein Families | Druggable Genome, Transcription Factors |
| Protein Pathways | Pathways in cancer, Renal cell carcinoma |
| Lysate QC | RT-qPCR; Western Blotting (WB) |
| GENE INFORMATION | |
| Gene Name | ARNT aryl hydrocarbon receptor nuclear translocator [Homo sapiens (human)] |
| Official Symbol | ARNT |
| Synonyms | ARNT; aryl hydrocarbon receptor nuclear translocator; bHLHe2; HIF 1beta; dioxin receptor, nuclear translocator; class E basic helix-loop-helix protein 2; hypoxia-inducible factor 1, beta subunit; HIF1B; TANGO; HIF1BETA; HIF-1beta; HIF1-beta; HIF-1-beta; |
| Gene ID | 405 |
| mRNA Refseq | NM_001197325 |
| Protein Refseq | NP_001184254 |
| MIM | 126110 |

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