

Human RARB Knockdown Cell Lysate

Cat. No. RARB-417HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated RARB Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes retinoic acid receptor beta, a member of the thyroid-steroid hormone receptor superfamily of nuclear transcriptional regulators. This receptor localizes to the cytoplasm and to subnuclear compartments. It binds retinoic acid, the biologically active form of vitamin A which mediates cellular signalling in embryonic morphogenesis, cell growth and differentiation. It is thought that this protein limits growth of many cell types by regulating gene expression. The gene was first identified in a hepatocellular carcinoma where it flanks a hepatitis B virus integration site. Alternate promoter usage and differential splicing result in multiple transcript variants.
Form	Cell-Tissue Lysis buffer
Molecular Mass	50 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.

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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 RARB KD HeLa cell lysate
Protein Families	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways	Non-small cell lung cancer, Pathways in cancer, Small cell lung cancer
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	RARB retinoic acid receptor, beta [Homo sapiens (human)]
Official Symbol	RARB
Synonyms	RARB; retinoic acid receptor, beta; retinoic acid receptor beta; HAP; NR1B2; RRB2; RAR-beta; RAR-epsilon; HBV-activated protein; retinoic acid receptor beta 2; retinoic acid receptor beta 4; retinoic acid receptor beta 5; hepatitis B virus activated protein; retinoic acid receptor beta variant 1; retinoic acid receptor beta variant 2; retinoic acid receptor, beta polypeptide; nuclear receptor subfamily 1 group B member 2; MGC97363;
Gene ID	5915
mRNA Refseq	NM_000965
Protein Refseq	NP_000956

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MIM	180220
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UniProt ID	P10826
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