Human PRDX1 Knockdown Cell Lysate

Cat. No. PRDX1-276HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated PRDX1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Four transcript variants encoding the same protein have been identified for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	22 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 PRDX1 KD HeLa cell lysate
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	PRDX1 peroxiredoxin 1 [Homo sapiens (human)]
Official Symbol	PRDX1
Synonyms	PRDX1; peroxiredoxin 1; PAGA; peroxiredoxin-1; NKEFA; NKEF-A; thioredoxin peroxidase 2; proliferation-associated gene A; natural killer-enhancing factor A; proliferation-associated gene protein; natural killer cell-enhancing factor A; thioredoxin-dependent peroxide reductase 2; PAG; PAGB; PRX1; PRXI; MSP23; TDPX2;
Gene ID	5052
mRNA Refseq	NM_001202431
Protein Refseq	NP_001189360
MIM	176763
UniProt ID	Q06830

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