

Human PRDX6 Knockdown Cell Lysate

Cat. No. PRDX6-401HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated PRDX6 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H ₂ O ₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury.
Form	Cell-Tissue Lysis buffer
Molecular Mass	25 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 PRDX6 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Methane metabolism, Phenylalanine metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	PRDX6 peroxiredoxin 6 [Homo sapiens (human)]
Official Symbol	PRDX6
Synonyms	PRDX6; peroxiredoxin 6; peroxiredoxin-6; 1 Cys; aiPLA2; AOP2; KIAA0106; MGC46173; NSGPx; p29; PRX; 1-Cys PRX; 24 kDa protein; 1-Cys peroxiredoxin; antioxidant protein 2; liver 2D page spot 40; red blood cells page spot 12; non-selenium glutathione peroxidase; acidic calcium-independent phospholipase A2; 1-Cys;
Gene ID	9588
mRNA Refseq	NM_004905
Protein Refseq	NP_004896
MIM	602316
UniProt ID	P30041

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