

Product datasheet for **CF813656**

Peroxiredoxin 6 (PRDX6) Mouse Monoclonal Antibody [Clone ID: OTI3A4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3A4
Applications:	WB
Recommended Dilution:	WB 1:500-1000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human Prdx6 (NP_004896) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25 kDa
Gene Name:	peroxiredoxin 6
Database Link:	NP_004896 Entrez Gene 11758 Mouse Entrez Gene 94167 Rat Entrez Gene 9588 Human P30041



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Background:

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 H₂O₂ 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. [provided by RefSeq, Jul 2008].

Synonyms:

1-Cys; aiPLA2; AOP2; HEL-S-128m; LPCAT-5; NSGPx; p29; PRX

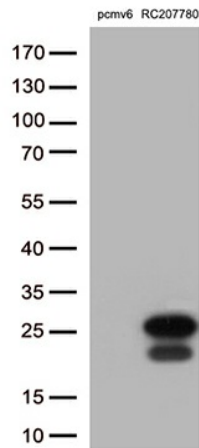
Protein Families:

Druggable Genome

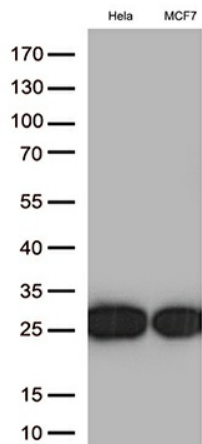
Protein Pathways:

Metabolic pathways, Methane metabolism, Phenylalanine metabolism

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PRDX6 ([RC207780], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PRDX6.(1:1000)



Western blot analysis of extracts (35ug) from 2 cell lines lysates by using anti-PRDX6 monoclonal antibody. (1:500)