

产品名称: PRDX6 (10R16) Rabbit Monoclonal Antibody
产品货号: AMRe16478



产品概述 (Summary)

产品名称 (Production Name)	PRDX6 (10R16) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IP
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PRDX6
别名 (Alternative Names)	Peroxiredoxin-6; Antioxidant protein 2; Liver 2D page spot 40; NSGPx; PRDX6; AOP2; KIAA;
基因 ID (Gene ID)	9588.0
蛋白 ID (SwissProt ID)	P30041.A synthetic peptide of human Peroxiredoxin 6

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IP 1:20-1:100
蛋白分子量 (Molecular Weight)	25kDa

研究背景 (Background)

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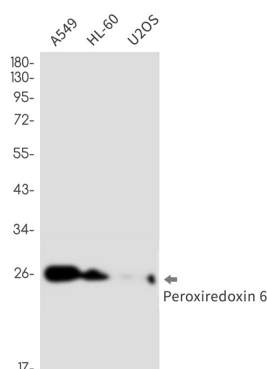


Involved in redox regulation of the cell. Can reduce H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. May play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively (PubMed: [9497358](http://www.uniprot.org/citations/9497358), PubMed: [10893423](http://www.uniprot.org/citations/10893423)). Can reduce H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides (PubMed: [10893423](http://www.uniprot.org/citations/10893423)). Also has phospholipase activity, can therefore either reduce the oxidized sn-2 fatty acyl group of phospholipids (peroxidase activity) or hydrolyze the sn-2 ester bond of phospholipids (phospholipase activity) (PubMed: [10893423](http://www.uniprot.org/citations/10893423), PubMed: [26830860](http://www.uniprot.org/citations/26830860)). These activities are dependent on binding to phospholipids at acidic pH and to oxidized phospholipids at cytosolic pH (PubMed: [10893423](http://www.uniprot.org/citations/10893423)). Plays a role in cell protection against oxidative stress by detoxifying peroxides and in phospholipid homeostasis (PubMed: [10893423](http://www.uniprot.org/citations/10893423)). Exhibits acyl-CoA-dependent lysophospholipid acyltransferase which mediates the conversion of lysophosphatidylcholine (1-acyl-sn-glycero-3-phosphocholine or LPC) into phosphatidylcholine (1,2-diacyl-sn-glycero-3-phosphocholine or PC) (PubMed: [26830860](http://www.uniprot.org/citations/26830860)). Shows a clear preference for LPC as the lysophospholipid and for palmitoyl CoA as the fatty acyl substrate (PubMed: [26830860](http://www.uniprot.org/citations/26830860)).

研究领域 (Research Area)

Signal Transduction

图片 (Image Data)



Western blot detection of Peroxiredoxin 6 in A549, HL-60, U2OS cell lysates using Peroxiredoxin 6 antibody (1:1000 diluted).

注意事项 (Note)

For research use only.

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