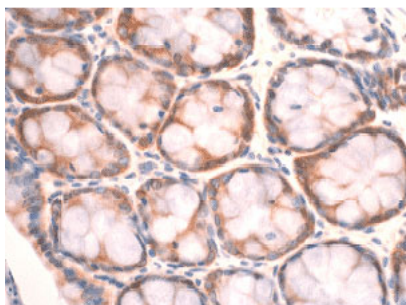


## Rabbit polyclonal antibody to Peroxiredoxin-4 (65-83): Whole serum

<b>Catalogue No.:</b>	R-1593-100
<b>Description:</b>	Peroxiredoxin-4 has a probable role in redox regulation of the cell.
<b>Unit size:</b>	100 uL
<b>Antigen:</b>	A synthetic peptide (SRVSVADHSLHLSKAKISK) corresponding to a region (65-83 aa) from human Peroxiredoxin-4 conjugated to diphtheria toxin.
<b>Antibody Type:</b>	Polyclonal
<b>Other Names:</b>	Peroxiredoxin-4; Antioxidant enzyme AOE372; AOE37-2; Peroxiredoxin IV; Prx-IV; Thioredoxin peroxidase AO372; Thioredoxin-dependent peroxide reductase A0372;
<b>Accession:</b>	Q13162 PRDX4_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Applications:</b>	IHC, WB, ELISA. This antibody works in IHC on frozen or wax embedded tissues. Antigen retrieval has been used in testing but may not be necessary. Typical working dilutions for light microscopy are 1:500 to 1:1,000 and IF of 1:50 to 1:100. For WB a dilution range of 1: 1,000 to 1: 4,000 is recommended. A dilution of 1: 1,000 to 1: 4,000 is recommended for ELISA. This antibody stains non-ciliated bronchiolar cells in rat lung and what appears to be sebaceous glands in rat skin. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Cross-reactivity:</b>	Human; rat;
<b>Form:</b>	Lyophilized
<b>Reconstitution:</b>	Reconstitute in sterile distilled water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2 - 8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase
<b>Specific References:</b>	Tam KC et al. (2018) Evidence for the interaction of peroxiredoxin-4 with the store-operated calcium channel activator STIM1 in liver cells. Cell Calcium. 2018 May 15;74:14-28.



Rabbit polyclonal antibody to Peroxiredoxin-4 (R-1593-100) at 1/100 dilution in sebaceous glands in rat skin. Secondary antibody Jackson biotinylated Donkey anti-rabbit (1/2000) followed by Vector ABC kit and visualised with DAB substrate.

---

FOR RESEARCH USE ONLY