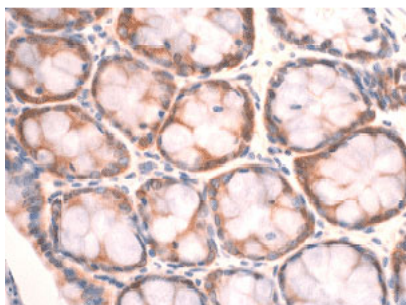




Rabbit polyclonal antibody to Peroxiredoxin-4 (65-83): Whole serum

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|-----------------------------|---|
| Catalogue No.: | R-1593-100 |
| Description: | Peroxiredoxin-4 has a probable role in redox regulation of the cell. |
| Unit size: | 100 uL |
| Antigen: | A synthetic peptide (SRVSVADHSLHLSKAKISK) corresponding to a region (65-83 aa) from human Peroxiredoxin-4 conjugated to diphtheria toxin. |
| Antibody Type: | Polyclonal |
| Other Names: | Peroxiredoxin-4; Antioxidant enzyme AOE372; AOE37-2; Peroxiredoxin IV; Prx-IV; Thioredoxin peroxidase AO372; Thioredoxin-dependent peroxide reductase A0372; |
| Accession: | Q13162 PRDX4_HUMAN; |
| Produced in: | Rabbit |
| Applications: | 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. |
| Cross-reactivity: | Human; rat; |
| Form: | Lyophilized |
| Reconstitution: | Reconstitute in sterile distilled water. Centrifuge to remove any insoluble material. |
| Storage: | 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. |
| Expiry Date: | 12 months after purchase |
| Specific References: | 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.

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