

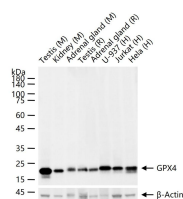
bsm-61552R**[Primary Antibody]****BioSS**
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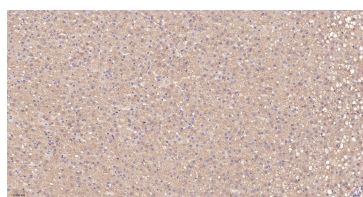
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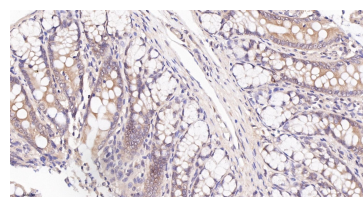
400-901-9800

GPX4 Recombinant Rabbit mAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 12H13**GeneID:** 2879**SWISS:** P36969**Target:** GPX4**Immunogen:** A synthesized peptide derived from human GPX4: 18-65/197.**Purification:** affinity purified by Protein A**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.**Background:** Protects cells against membrane lipid peroxidation and cell death. Required for normal sperm development and male fertility. Could play a major role in protecting mammals from the toxicity of ingested lipid hydroperoxides. Essential for embryonic development. Protects from radiation and oxidative damage.**Applications:** **WB** (1:1000-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**ICC/IF** (1:100-200)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 22 kDa**Observed MW.:** 20 kDa**Subcellular Location:** Cytoplasm**VALIDATION IMAGES**

25 ug total protein per lane of various lysates (see on figure) probed with GPX4 monoclonal antibody, unconjugated (bsm-61552R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Rat Adrenal Gland; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GPX4 Monoclonal Antibody, Unconjugated (bsm-61552R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GPX4 Monoclonal Antibody, Unconjugated (bsm-61552R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

SELECTED CITATIONS

- **[IF=19]** Zhongming Huang. et al. Dual-Functional Sonodynamic Therapeutic Platform for Complete Osteosarcoma Elimination With Synchronized Bone Defect Regeneration. ADV FUNCT MATER. 2026 Feb;;e31043 IF, WB ;Human. 10.1002/adfm.202531043
- **[IF=5.3]** Yujia Wang. et al. Pannexin1 Inhibition Suppresses Porphyromonas gingivalis-Induced Ferroptosis in Peri-Implantitis by Regulating the NRF2/SLC7A11/GPX4 Pathway. CLIN ORAL IMPLAN RES. 2026 Jan;; IF ;Mouse. 41484053
- **[IF=4.9]** Bin Huang. et al. Sculpting Liver-Related Injury in Type 2 Diabetes Mellitus: Decoding Serum Ferritin's Correlation and Ferroptosis Pathways. J NUTR BIOCHEM. 2025 Jul;;110044 IHC ;Mouse. 40716618
- **[IF=2.5]** Caixia Deng. et al. Molecular typing of sepsis-induced acute lung injury and its relationship with the immune microenvironment. J RADIAT RES APPL SC. 2026 Jun;19(2):102293 WB ;Rat. 10.1016/j.jrras.2026.102293