

bs-22009R**[Primary Antibody]****Bioss**
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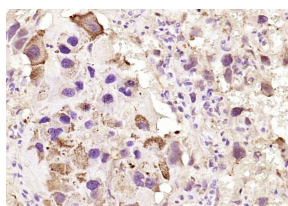
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GPX3 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 2878 Target: GPX3 Immunogen: KLH conjugated synthetic peptide derived from human GPX3: 1-100/226. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Glutathione peroxidases(Gpxs) are ubiquitously expressed proteins which catalyze the reduction of hydrogen peroxides and organohydroperoxides by glutathione. There are several isoforms which differ in their primary structure and localization. The classical cytosolic/mitochondrial GPx1 (cGPx) is a selenium-dependent enzyme, first of the GPxfamily to be discovered. GPx2, also known as gastrointestinal GPx(GI-GPx), is an intracellular enzyme expressed only at the epithelium of the gastrointestinal tract.Extracellular plasma GPx(pGPxor GPx3) is mainly expressed by the kidney from where it is released into the blood. Phospholipid hydroperoxide GPx4 (PH-GPx) expressed in most tissues, can reduce many hydroperoxides including hydroperoxides integrated in membranes, hydroperoxy lipids in low density lipoprotein orthymine. All mammalian GPx family members, except for the recently described Cys containing GPx3 and epididymis-specific secretory GPx(eGPxor GPx5)isoforms, possess selenocysteine at the active site.	Isotype: IgG SWISS: P22352 Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Rat (predicted: Human, Mouse, Pig, Cow) Predicted MW.: 23 kDa Subcellular Location: Secreted
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— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GPX3) Polyclonal Antibody, Unconjugated (bs-22009R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.719]** Giovanna Chianese. et al. ROS-Generating Hyaluronic Acid-Modified Zirconium Dioxide-Acetylacetone Nanoparticles as a Theranostic Platform for the Treatment of Osteosarcoma. NANOMATERIALS-BASEL. 2023 Jan;13(1):54

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

IF ;Human. 36615964

- **[IF=2.141]** Ting Yao. et al. Differences of the anti-oxidative capability, GPX3, and Cu/ZnSOD expression in Hu sheep testis with different size at six-month-old. ANIM BIOTECHNOL. 2023 Feb 15 IHC ;Sheep. 36794388