

bs-16303R**[Primary Antibody]****GPX8 Rabbit pAb****Bioss**
ANTIBODIES

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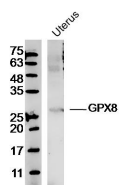
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)
GeneID: 493869	SWISS: Q8TED1	Predicted MW.: 24 kDa
Target: GPX8		Subcellular Location: Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human GPX8: 111-209/209.		
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 peroxidase (GPx) enzymes are generally selenium-containing tetrameric glycoproteins that help prevent lipid peroxidation of cell membranes. GPx enzymes reduce lipid hydroperoxides to alcohols, and reduce free hydrogen peroxide to water. GPx members are among the few proteins known in higher vertebrates to contain selenocysteine, which occurs at the active site of glutathione peroxidase and is coded by the nonsense (stop) codon TGA. There are eight GPx homologs (GPx-1–8). GPx-8 (glutathione peroxidase 8), also known as GSHPx-8, is a 209 amino acid single-pass membrane protein. The gene encoding GPx-8 maps to human chromosome 5q11.2 and mouse chromosome 13 D2.2.		

— VALIDATION IMAGES —

Sample: Uterus (Mouse) Lysate at 40 ug Primary:

Anti-GPX8 (bs-16303R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at

1/20000 dilution Predicted band size: 24 kD

Observed band size: 26 kD

— SELECTED CITATIONS —

- **[IF=8.2]** Yaqi Li. et al. Non-thermal plasma promotes boar sperm quality through increasing AMPK methylation. INT J BIOL MACROMOL. 2024 Feb;257:128768 WB ;Pig. 38096931
- **[IF=1.516]** Junli Liuet al. MiR-9-5p inhibits mitochondrial damage and oxidative stress in AD cell models by targeting GSK-3β. Biosci Biotechnol Biochem . 2020 Nov;84(11):2273-2280. WB ;mouse. 32713252
- **[IF=2.4]** Gege Wei. et al. Identification and functional prediction of miRNAs that regulate ROS levels in dielectric barrier discharge plasma-treated boar spermatozoa. THERIOGENOLOGY. 2024 Jun;; WB ;Pig. 38959841

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