

bs-2976R**[Primary Antibody]****GGT1 Rabbit pAb****Bioss**
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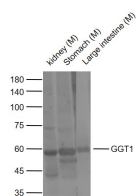
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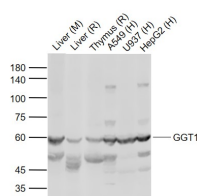
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 2678 Target: GGT1 Immunogen: KLH conjugated synthetic peptide derived from human GGT1: 351-460/569. < Extracellular > 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: Initiates extracellular glutathione (GSH) breakdown, provides cells with a local cysteine supply and contributes to maintain intracellular GSH level. It is part of the cell antioxidant defense mechanism. Catalyzes the transfer of the glutamyl moiety of glutathione to amino acids and dipeptide acceptors. Alternatively, glutathione can be hydrolyzed to give Cys-Gly and gamma glutamate. Isoform 3 seems to be inactive. Tissue specificity: Detected in fetal and adult kidney and liver, adult pancreas, stomach, intestine, placenta and lung. Isoform 3 is lung-specific. There are several other tissue-specific forms that arise from alternative promoter usage but that produce the same protein.	Isotype: IgG SWISS: P19440 Applications: WB (1:500-2000) Reactivity: Human, Mouse, Rat Predicted MW.: 61 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

Sample: Lane 1: Mouse kidney lysates Lane 2: Mouse Stomach lysates Lane 3: Mouse Large intestine lysates Primary: Anti-GGT1 (bs-2976R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kDa Observed band size: 61 kDa



Sample: Lane 1: Liver (Mouse) Tissue Lysate at 40 ug Lane 2: Liver (Rat) Tissue Lysate at 40 ug Lane 3: Thymus (Rat) Tissue Lysate at 40 ug Lane 4: A549 (Human) Cell Lysate at 30 ug Lane 5: U937 (Human) Cell Lysate at 30 ug Lane 6: HepG2 (Human) Cell Lysate at 30 ug Primary: Anti-GGT1 (bs-2976R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kD Observed band size: 61 kD

— SELECTED CITATIONS —

- **[IF=2.52]** Kobayashi S et al. γ -Glutamylcysteine synthetase and γ -glutamyl transferase as differential enzymatic sources of γ -glutamylpeptides in mice. Amino Acids. 2020 Apr;52(4):555-566. WB ;mouse. 32170467