

**bs-13265R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

www.bioss.com.cn

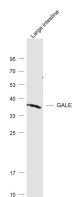
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**GALE Rabbit pAb****— DATASHEET —**

|   |                      |  |
|---|----------------------|--|
| <b>Host:</b> Rabbit   | <b>Isotype:</b> IgG  | <b>Applications:</b> WB (1:500-2000)                         |
| <b>Clonality:</b> Polyclonal  |                      |  |
| <b>GeneID:</b> 2582   | <b>SWISS:</b> Q14376 |  |
| <b>Target:</b> GALE   |                      |  |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human GALE/Galactowaldenase: 21-120/348.  |                      |  |
| <b>Purification:</b> affinity purified by Protein A   |                      | <b>Reactivity:</b> Mouse (predicted: Human, Rat, Pig, Horse) |
| <b>Concentration:</b> 1mg/ml  |                      | <b>Predicted MW.:</b> 38 kDa                                 |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  |                      | <b>Subcellular Location:</b> Cytoplasm                       |
| <b>Background:</b> This gene encodes UDP-galactose-4-epimerase which catalyzes two distinct but analogous reactions: the epimerization of UDP-glucose to UDP-galactose, and the epimerization of UDP-N-acetylglucosamine to UDP-N-acetylgalactosamine. The bifunctional nature of the enzyme has the important metabolic consequence that mutant cells (or individuals) are dependent not only on exogenous galactose, but also on exogenous N-acetylglucosamine as a necessary precursor for the synthesis of glycoproteins and glycolipids. Mutations in this gene result in epimerase-deficiency galactosemia, also referred to as galactosemia type 3, a disease characterized by liver damage, early-onset cataracts, deafness and mental retardation, with symptoms ranging from mild ('peripheral' form) to severe ('generalized' form). Multiple alternatively spliced transcripts encoding the same protein have been identified. [provided by RefSeq, Jul 2008] |                      |  |

**— VALIDATION IMAGES —**

Sample: Large intestine (Mouse) Lysate at 40 ug  
Primary: Anti- GALE (bs-13265R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-  
Rabbit IgG at 1/20000 dilution Predicted band  
size: 38 kD Observed band size: 38 kD