

**bs-13339R****[ Primary Antibody ]****GFM2 Rabbit pAb****BioSS**  
**ANTIBODIES**

www.bioss.com.cn

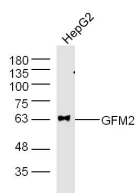
sales@bioss.com.cn

techsupport@bioss.com.cn

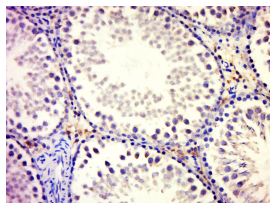
400-901-9800

**— DATASHEET —**

|  |                      |   |
|--|----------------------|---|
| <b>Host:</b> Rabbit  | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>WB</b> (1:500-2000)                               |
| <b>Clonality:</b> Polyclonal   |                      | <b>IHC-P</b> (1:100-500)  |
| <b>GeneID:</b> 84340   | <b>SWISS:</b> Q969S9 | <b>IHC-F</b> (1:100-500)  |
| <b>Target:</b> GFM2  |                      | <b>IF</b> (1:100-500)   |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human GFM2: 151-250/779.   |                      | <b>Reactivity:</b> Human, Rat<br>(predicted: Mouse, Pig, Sheep, Cow, Dog) |
| <b>Purification:</b> affinity purified by Protein A  |                      | <b>Predicted MW.:</b> 87 kDa  |
| <b>Concentration:</b> 1mg/ml   |                      | <b>Subcellular Location:</b> Cytoplasm                                    |
| <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>Background:</b> GFM2 is a mitochondrial translation elongation factor. Its role in the regulation of normal mitochondrial function and in different disease states attributed to mitochondrial dysfunction is not known. Eukaryotes contain two protein translational systems, one in the cytoplasm and one in the mitochondria. Mitochondrial translation is crucial for maintaining mitochondrial function and mutations in this system lead to a breakdown in the respiratory chain oxidative phosphorylation system and to impaired maintenance of mitochondrial DNA. |                      |   |

**— VALIDATION IMAGES —**

Protein: A549(human) lysates at 40ug; Primary: Rabbit Anti-GFM2 (bs-13339R) at 1:300; Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG(H+L) at 1: 10000; Predicted band size:87 kD Observed band size:63 kD



Paraformaldehyde-fixed, paraffin embedded (Rat testis); 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 (GFM2) Polyclonal Antibody, Unconjugated (bs-13339R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.