

**bs-6152R****[ Primary Antibody ]****GNAQ Rabbit pAb****BioSS**  
ANTIBODIES

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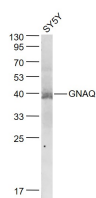
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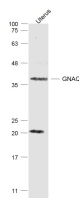
400-901-9800

**— DATASHEET —**

|  |                      |  |
|--|----------------------|--|
| <b>Host:</b> Rabbit  | <b>Isotype:</b> IgG  | <b>Applications:</b> WB (1:500-2000)   |
| <b>Clonality:</b> Polyclonal   |                      |  |
| <b>GeneID:</b> 2776  | <b>SWISS:</b> P50148 |  |
| <b>Target:</b> GNAQ  |                      |  |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human GNAQ: 51-150/359.  |                      |  |
| <b>Purification:</b> affinity purified by Protein A  |                      | <b>Reactivity:</b> Human, Mouse, Rat<br>(predicted: Rabbit, Pig, Cow, Chicken, Dog, Horse) |
| <b>Concentration:</b> 1mg/ml   |                      |  |
| <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> GNAQ belong to the family of heterotrimeric Guanine nucleotide-binding proteins proteins that couple cell surface, 7-transmembrane domain receptors to intracellular signaling pathways. Receptor activation catalyzes the exchange of GTP for GDP bound to the inactive G protein alpha subunit resulting in a conformational change and dissociation of the complex. GNAQ is the alpha subunit of one of the heterotrimeric GTP-binding proteins that mediates stimulation of phospholipase C-beta. in recent studies over expression of GNAQ is associated with cardiomyocyte apoptosis. |                      |  |
|  |                      |  |
|  |                      | <b>Predicted MW.:</b> 42 kDa   |
|  |                      | <b>Subcellular Location:</b> Cell membrane ,Nucleus  |

**— VALIDATION IMAGES —**

Sample: SY5Y(Human) Cell Lysate at 30 ug  
Primary: Anti-GNAQ (bs-6152R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 42 kD



Sample: Uterus (Mouse) Lysate at 40 ug Primary: Anti-GNAQ (bs-6152R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kD  
Observed band size: 42 kD