

**bs-12039R****[ Primary Antibody ]****MIR16 Rabbit pAb****BioSS**  
**ANTIBODIES**

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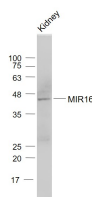
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Pig, Dog, Horse)
<b>GeneID:</b> 51573	<b>SWISS:</b> Q9NZC3	
<b>Target:</b> MIR16		<b>Predicted MW.:</b> 38 kDa
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MIR16/GDE1: 231-331/331.		<b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> GDE1 is a 331 amino acid multi-pass membrane protein that localizes to both the membrane and the cytoplasm and contains one GDPD domain. Expressed in a wide variety of tissues, GDE1 uses magnesium as a cofactor to catalyze the conversion of 1-(sn-glycero-3-phospho)-1D-myo-inositol to myo-inositol and sn-glycerol 3-phosphate, an event that is modulated by G protein signaling pathways and provides a link between phosphoinositide metabolism and G protein signal transduction. The gene encoding GDE1 maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3% of the human genome. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.		

**— VALIDATION IMAGES —**

Sample: Kidney (Mouse) Lysate at 40 ug Primary:  
Anti- MIR16 (bs-12039R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 38 kD  
Observed band size: 40 kD