

**bs-14504R****[ Primary Antibody ]****phospho-EDG1 (Thr236) Rabbit pAb****BioSS**  
**ANTIBODIES**

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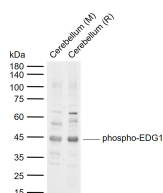
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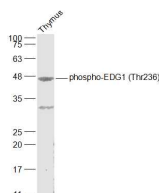
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 1901 <b>Target:</b> EDG1 (Thr236) <b>Immunogen:</b> KLH conjugated synthesised phosphopeptide derived from human EDG1 around the phosphorylation site of Thr236: RL(p-T)FR. <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> Sphingosine-1-phosphate receptor 1 (S1P receptor 1 or S1PR1), also known as endothelial differentiation gene 1 (EDG1) is a protein that in humans is encoded by the S1PR1 gene. S1PR1 is a G-protein-coupled receptor which binds the bioactive signaling molecule sphingosine 1-phosphate (S1P). S1PR1 belongs to a sphingosine-1-phosphate receptor subfamily comprising five members (S1PR1-5). S1PR1 was originally identified as an abundant transcript in endothelial cells and it has an important role in regulating endothelial cell cytoskeletal structure, migration, capillary-like network formation and vascular maturation. In addition, S1PR1 signaling is important in the regulation of lymphocyte maturation, migration and trafficking.	<b>Isotype:</b> IgG <b>SWISS:</b> P21453 <b>Applications:</b> WB (1:500-2000) <b>Reactivity:</b> Mouse, Rat (predicted: Human, Rabbit, Pig) <b>Predicted MW.:</b> 43 kDa <b>Subcellular Location:</b> Cell membrane
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**— VALIDATION IMAGES —**

Sample: Lane 1: Mouse Cerebellum tissue lysates  
 Lane 2: Rat Cerebellum tissue lysates  
 Primary: Anti-phospho-EDG1 (Thr236) (bs-14504R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 43 kDa  
 Observed band size: 45 kDa



Sample: Thymus (Mouse) Lysate at 40 ug  
 Primary: Anti-phospho-EDG1 (Thr236) (bs-14504R) at 1/500 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 43 kD  
 Observed band size: 43 kD

**— SELECTED CITATIONS —**

- **[IF=3]** Yang Qing. et al. Novel variants in CRB2 targeting the malfunction of slit diaphragm related to focal segmental glomerulosclerosis. PEDIATR NEPHROL. 2023 Jul;;1-17 IF ;Human. 37452832