

**bs-3447R****[ Primary Antibody ]****Phospho-eNOS (Ser1177) Rabbit pAb****BioSS**  
**ANTIBODIES**

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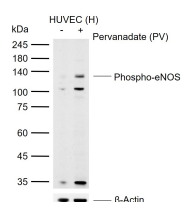
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 18127 <b>Target:</b> Phospho-eNOS (Ser1177) <b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from mouse eNOS around the phosphorylation site of Ser1177: TQ(p-S)FS. <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> Nitric oxide synthase NOS oxidizes a guanidine nitrogen of arginine releasing nitric oxide in the form of a free radical and citrulline. Nitric oxide thus generated acts as a messenger in diverse functions including vasodilation neurotransmission, anti tumor and anti pathogenic activities. NOS is classified under three types: neuronal NOS (nNOS) or brain NOS (bNOS); inducible NOS (iNOS) or macrophage NOS (mNOS); and endothelial NOS (eNOS).	<b>Isotype:</b> IgG <b>SWISS:</b> P70313	<b>Applications:</b> WB (1:500-1000)  <b>Reactivity:</b> Human (predicted: Mouse, Rat)  <b>Predicted MW.:</b> 133 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
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**— VALIDATION IMAGES —**

Sample: Lane 1: Human HUVEC cell lysates Lane 2: Human HUVEC treated with 100  $\mu$ M Pervanadate (PV) for 10 minutes Primary: Anti-Phospho-eNOS (Ser1177) (bs-3447R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 133 kDa Observed band size: 135 kDa

**— SELECTED CITATIONS —**

- **[IF=9.8]** Jian Liu. et al. Environmental dose of 16 priority-controlled PAHs induce endothelial dysfunction: An in vivo and in vitro study. SCI TOTAL ENVIRON. 2024 Apr;919:170711 WB ;Rat,Human. 38340817
- **[IF=8.101]** Sol Guerra-Ojeda. et al. Cerium dioxide nanoparticles modulate antioxidant defences and change vascular response in the human saphenous vein. FREE RADICAL BIO MED. 2022 Nov;193:694 WB ;Human. 36402438
- **[IF=5.1]** Min Luo. et al. Methyl protodioscin reduces c-Myc to ameliorate diabetes mellitus erectile dysfunction via downregulation of AKAP12. DIABETES RES CLIN PR. 2023 Nov;;111012 WB,IHC,IF ;Mouse. 37967586
- **[IF=5.195]** Fang Cao. et al. Ginkgo biloba L. extract prevents steroid-induced necrosis of the femoral head by rescuing apoptosis and dysfunction in vascular endothelial cells via the PI3K/AKT/eNOS pathway. J ETHNOPHARMACOL. 2022 Jun;;115476 WB ;Mouse. 35724747
- **[IF=5.391]** Kim DY et al. SALM4 regulates angiogenic functions in endothelial cells through VEGFR2 phosphorylation at

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Tyr1175. FASEB J. 2019 Jun 6:fj201802516RR. WB ;Human. 31170000