

Phospho-eNOS (Ser1177) Rabbit pAb

Catalog Number: bs-3447R

Target Protein: Phospho-eNOS (Ser1177)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-1000)

Reactivity: Human (predicted:Mouse, Rat)

Predicted MW: 133 kDa

Entrez Gene: 18127

Swiss Prot: P70313

Source: KLH conjugated Synthesised phosphopeptide derived from mouse eNOS around the phosphorylation site of Ser1177: TQ(p-S)FS.

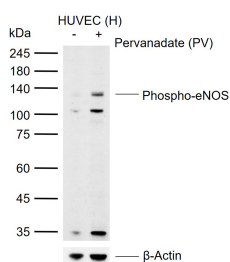
Purification: affinity purified by Protein A

Storage: 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.

Background: 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).

VALIDATION IMAGES



Sample: Lane 1: Human HUVEC cell lysates Lane 2: Human HUVEC treated with 100 μ 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

PRODUCT SPECIFIC PUBLICATIONS

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