bs-3589R **[Primary Antibody]**

phospho-eNOS (Thr113) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 18127 **SWISS:** P70313

Target: eNOS (Thr113)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from mouse eNOS around the phosphorylation site of Thr113: RP(p-T)QG.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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).

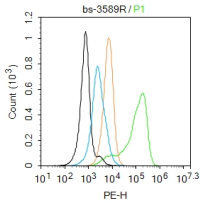
Applications: **Flow-Cyt** (2ug/Test)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Dog)

Predicted MW.: 133 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Blank control:U937. Primary Antibody (green line): Rabbit Anti-Phospho-eNOS (Thr113) antibody (bs-3589R) Dilution: 2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=6.6]** Lingchao Kong. et al. Tibial cortex transverse transport regulates Orai1/STIM1-mediated NO release and improve the migration and proliferation of vessels via increasing osteopontin expression. J ORTHOP TRANSL. 2024 Mar;45:107 WB ;Human,Rat. 38524870
- **[IF=4.932]** Yi Ren. et al. Pravastatin attenuates sepsis-induced acute lung injury through decreasing pulmonary

microvascular permeability via inhibition of Cav-1/eNOS pathway. Int Immunopharmacol. 2021 Nov;100:108077 WB ;Mouse. 34464887

- **[IF=5.314]** Yang Wang. et al. Role of GADD45A in myocardial ischemia/reperfusion through mediation of the JNK/p38 MAPK and STAT3/VEGF pathways. INT J MOL MED. 2022 Dec;50(6):1-11 WB ;Rat. 36331027
- **[IF=3.298]** Zhongxiao Zhou. et al. Formononetin regulates endothelial nitric oxide synthase to protect vascular endothelium in deep vein thrombosis rats:. INT J IMMUNOPATH PH. 2022;(): IF ;Rat. 35731855
- **[IF=3.298]** Zhongxiao Zhou. et al. Formononetin regulates endothelial nitric oxide synthase to protect vascular endothelium in deep vein thrombosis rats:. INT J IMMUNOPATH PH. 2022;(): WB ;Rat. 35731855