

**bs-3731R****[ Primary Antibody ]****Phospho-eNOS (Thr495) Rabbit pAb****Bioss**  
**ANTIBODIES**

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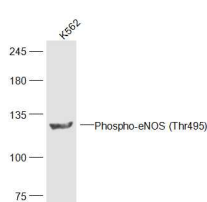
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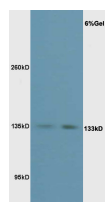
400-901-9800

**— DATASHEET —**

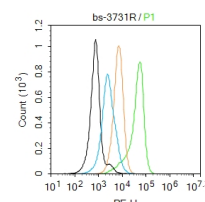
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|--|----------------------|--|
| <b>Host:</b> Rabbit  | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>WB</b> (1:500-2000)<br><b>Flow-Cyt</b> (2ug/Test)                          |
| <b>Clonality:</b> Polyclonal   |                      | <b>Reactivity:</b> Human, Mouse<br>(predicted: Rat, Rabbit, Pig,<br>Sheep, Cow, Dog,<br>GuineaPig) |
| <b>GeneID:</b> 4846  | <b>SWISS:</b> P29474 | <b>Predicted MW.:</b> 133 kDa  |
| <b>Target:</b> Phospho-eNOS (Thr495)   |                      | <b>Subcellular Location:</b> Cell membrane ,Cytoplasm  |
| <b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human eNOS around the phosphorylation site of Thr495: KK(p-T)FK.  |                      |  |
| <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.<br>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). |                      |  |

**— VALIDATION IMAGES —**

Sample: K562(Human) Cell Lysate at 30 ug  
Primary: Anti-Phospho-eNOS (Thr495) (Ser319) (bs-3731R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 133 kD Observed band size: 133 kD



Sample: Lane1: Liver (Mouse) Lysate at 30 ug  
Lane2: Kidney (Mouse) Cell Lysate at 30 ug  
Primary: Anti-Phospho-eNOS (bs-3731R) at 1:300 dilution; Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G) at 1: 3000 dilution; Predicted band size : 133kD Observed band size : 135kD



Blank control:U937. Primary Antibody (green line): Rabbit Anti-Phospho-eNOS (Thr495) antibody (bs-3731R) Dilution: 2μg /10<sup>6</sup> 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=6.656]** Jie Chen. et al. Triterpenoid saponins from Ilex pubescens promote blood circulation in blood stasis syndrome by regulating sphingolipid metabolism and the PI3K/AKT/eNOS signaling pathway. PHYTOMEDICINE. 2022 Jun;;154242 IHC ;Rat. 35728385
- **[IF=4.99]** Papinska, A. M., et al. "Angiotensin - (1 - 7) administration benefits cardiac, renal, and progenitor cell function

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

in db/db mice." British Journal of Pharmacology(2015). IHC ;="Mouse" . 26075703