bs-3731R

[Primary Antibody]

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phospho-eNOS (Thr495) Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 4846 **SWISS:** P29474

Target: eNOS (Thr495)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

eNOS around the phosphorylation site of Thr495: KK(p-T)FK.

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: WB (1:500-2000)

Flow-Cyt (2ug/Test)

Reactivity: Human, Mouse

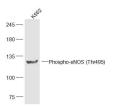
(predicted: Rat, Rabbit, Pig,

Sheep, Cow, Dog, GuineaPig)

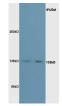
Predicted MW.: 133 kDa

Subcellular Location: Cell membrane ,Cytoplasm

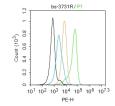
VALIDATION IMAGES



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:



Blank control:U937. Primary Antibody (green line): Rabbit Anti-Phospho-eNOS (Thr495) antibody (bs-3731R) Dilution: 2µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: $1\mu g$ /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 nonspecific 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

in db/db mice." British Journal of Pharmacology(2015). IHC; Mouse. 26075703
• [IF=4.8] Bruno Askiel. et al. A randomized blinded dose-response human biomarker study of remote ischemic conditioning. BRAIN CIRC. 2025 Jul;:10.4103/bc.bc_42_25 FC; Human. 10.4103/bc.bc_42_25