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## eNOS Rabbit pAb

Catalog Number: bs-20609R

Target Protein: eNOS

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Rat (predicted: Mouse, Rabbit, Pig, Cow, Dog, Guinea Pig)

Predicted MW: 133 kDa

Entrez Gene: 4846

Swiss Prot: P29474

Source: KLH conjugated synthetic peptide derived from human eNOS: 551-650/1203.

Purification: affinity purified by Protein A

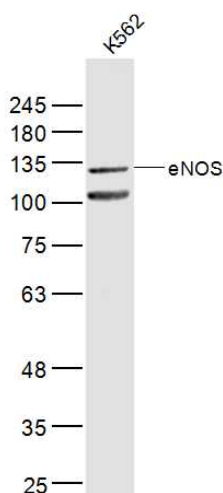
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

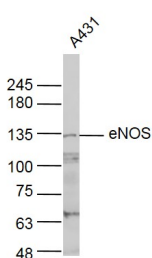
**Background:** Nitric oxide synthase NOS oxidizes a guanidine nitrogen of arginine releasing nitric oxide in the form of a free radical and citrulline. Nitric oxide thus generated acts as a messenger in diverse functions including vasodilation neurotransmission, anti tumor and anti pathogenic activities. 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

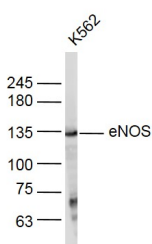
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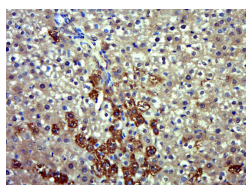
Sample: K562(Human) Cell Lysate at 40 ug Primary: Anti-eNOS (bs-20609R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 133 kD Observed band size: 133 kD



Sample: A431 Cell (Human) Lysate at 30 ug Primary: Anti-eNOS (bs-20609R) 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: K562Cell (Human) Lysate at 30 ug Primary: Anti-eNOS (bs-20609R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 133 kD Observed band size: 133 kD



Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (eNOS) Polyclonal Antibody, Unconjugated (bs-20609R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=10] Yinggang Wang. et al. 3d Elastomeric Stent Functionalized with Antioxidative And Perivascular Tissue Regenerative Activities Ameliorated Pvt Deprivation-Induced Vein Graft Failure. ADV HEALTHC MATER. 2023 Jul;;2301247 IHC ; Rabbit . 37440681

[IF=8.7] Tzu-Hsiang Lin. et al. A bioactive composite scaffold enhances osteochondral repair by using thermosensitive chitosan hydrogel and endothelial lineage cell-derived chondrogenic cell. MATER TODAY BIO. 2024 Oct;28:101174 IF ; Rabbit . 39211289

[IF=6.529] Junling Liu. et al. Effect of hirudin on arterialized venous flap survival in rabbits. Biomed Pharmacother. 2021 Oct;142:111981 IHC ; Rabbit . 34364044

[IF=4.8] Xiao-Li Li. et al. Wenjing Decoction: Mechanism in the Treatment of Dysmenorrhea with Blood Stasis Syndrome through Network Pharmacology and Experimental Verification. J ETHNOPHARMACOL. 2024 Sep;;118818 WB ; Rat . 39270884

[IF=3.8] Demirel Mürşide Ayşe. et al. Impact of high-fructose diet and metformin on histomorphological and molecular parameters of reproductive organs and vaginal microbiota of female rat. SCI REP-UK. 2024 Nov;14(1):1-21 WB ; Rat . 39523383