

## NOS3 (phospho-T494) polyclonal antibody

Catalog: BS4636

Host: Rabbit

Reactivity: Human

### BackGround:

NOS is classified under three types: neuronal NOS (nNOS) or brain NOS (bNOS); inducible NOS (iNOS) or macrophage NOS (mNOS); and endothelial NOS (eNOS). eNOS is a calcium/calmodulin dependent enzyme which undergoes several post translational modifications, including acylation with myristate and palmitate, and phosphorylation on numerous residues. As with the other members of the NOS family, eNOS derives the diffusible multifunctional second messenger NO from L arginine through a series of reactions in which L citrulline is an intermediate. eNOS plays an important role in controlling vascular tone, platelet aggregation, and cardiac myocyte function.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 140 kDa

### Swiss-Prot:

P29474

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

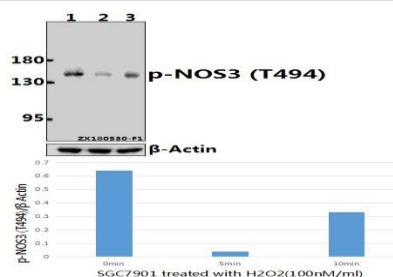
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-NOS3 (T494) polyclonal antibody detects endogenous levels of NOS3 protein when phosphorylated at Thr494. (removal of the initiator methionine)

### DATA:



Western blot (WB) analysis of p-NOS3 (T494) pAb at 1:1000 dilution

Lane1:SGC7901 whole cell lysate(40ug)

Lane2:SGC7901 treated with H2O2(100nM/ml,5 minutes) whole cell lysate(40ug)

Lane3:SGC7901 treated with H2O2(100nM/ml,10 minutes) whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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