

NOS3 (phospho-S1177) polyclonal antibody

Catalog: BS4848

Host: Rabbit

Reactivity: Human, Mouse, Rat

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

ICC: 1:50~1:200

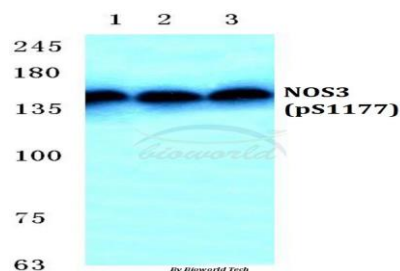
Storage&Stability:

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

Specificity:

p-NOS3 (S1177) polyclonal antibody detects endogenous levels of NOS3 protein when phosphorylated at Ser1177.

DATA:

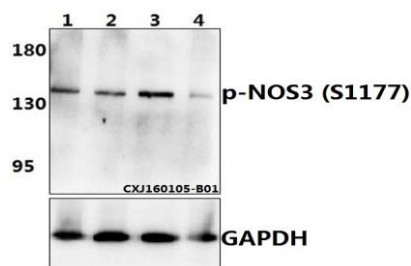


Western blot (WB) analysis of p-NOS3 (S1177) polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:sp2/0 cell lysate

Lane3:H9C2 cell lysate



Western blot (WB) analysis of p-NOS3 (S1177) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:HEK293T treated with PMA (60ng/ml, 5min) whole cell lysate(40ug)

Lane3:HEK293T treated with PMA (60ng/ml, 15min) whole cell lysate(40ug)

Lane4:HEK293T treated with PMA (60ng/ml, 30min) whole cell lysate(40ug)

Note:

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

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