

NOS1 (phospho-S1417) polyclonal antibody

Catalog: BS64161

Host: Rabbit

Reactivity: Human

BackGround:

Nitric Oxide Synthase (NOS) catalyzes the formation of nitric oxide (NO) and citrulline from L-arginine, oxygen and cofactors. Three family members have been characterized: neuronal NOS (nNOS), which is found primarily in neuronal tissue; inducible NOS (iNOS), which is induced by interferon gamma and lipopolysaccharides in the kidney and cardiovascular system; and endothelial NOS (eNOS), which is expressed in blood vessels. NO is a messenger molecule with diverse functions throughout the body including the maintenance of vascular integrity, homeostasis, synaptic plasticity, long-term potentiation, learning, and memory.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 160 kDa

Swiss-Prot:

P29475

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

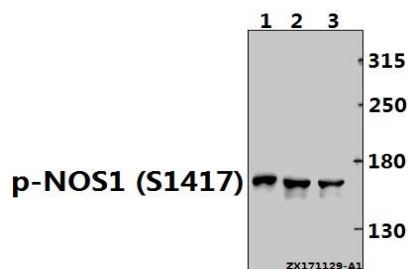
Storage&Stability:

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

Specificity:

p-NOS1 (S1417) pAb detects endogenous levels of p-NOS1 (S1417) protein only when phosphorylated at Ser1417.

DATA:



Western blot (WB) analysis of p-NOS1 (S1417) pAb at 1:500 dilution

Lane1:PC3 whole cell lysate(40ug)

Lane2:U-87MG whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

Note:

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

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