

NOS1 (Y846) polyclonal antibody

Catalog: BS1821

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

NOS activity requires homodimerization as well as three cosubstrates (L-arginine, NADPH and O₂) and five co-factors or prosthetic groups (FAD, FMN, calmodulin, tetrahydrobiopterin and heme). Several distinct NOS isoforms have been described and been shown to represent the products of three distinct genes. These include two constitutive Ca²⁺/CaM-dependent forms of NOS, including NOS1 (also designated ncNOS) whose activity was first identified in neurons, and NOS3 (also designated ecNOS), first identified in endothelial cells.

Product:

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

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

IHC: 1:50~1:200

IF: 1:50~1:200

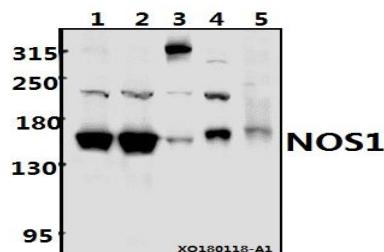
Storage&Stability:

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

Specificity:

NOS1 (Y846) polyclonal antibody detects endogenous levels of NOS1 protein.

DATA:



Western blot (WB) analysis of NOS1 (Y846) pAb at 1:500 dilution

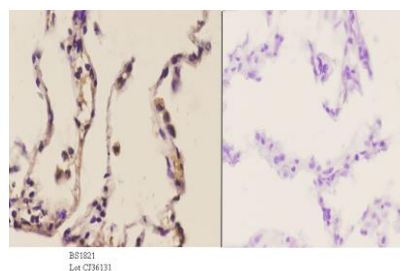
Lane1:PC3 whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

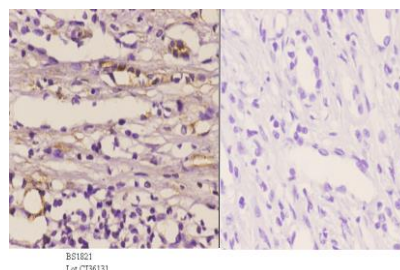
Lane3:U-87MG whole cell lysate(20ug)

Lane4:C6 whole cell lysate(40ug)

Lane5:BV2 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of NOS1 (Y846) pAb in paraffin-embedded human lung carcinoma tissue at 1:50, showing cytoplasmic and cell membrane staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of NOS1 (Y846) pAb in paraffin-embedded human kidney carcinoma tissue at 1:50, showing cytoplasmic and cell membrane staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat An-

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

ti-Rabbit IgG-biotin followed by avidin-peroxidase.

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

Note:

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