

bs-19301R**[Primary Antibody]****phospho-nNOS (Ser1417) Rabbit pAb****BioSS**
ANTIBODIES

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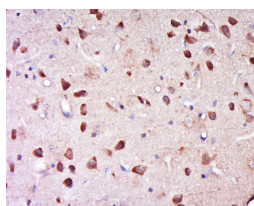
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— DATASHEET —

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| Host: Rabbit | Isotype: IgG | Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) |
| Clonality: Polyclonal | | |
| GeneID: 4842 | SWISS: P29475 | |
| Target: nNOS (Ser1417) | | Reactivity: Rat (predicted: Human, Mouse, Zebrafish, Xenopus laevis) |
| Immunogen: KLH conjugated Synthesised phosphopeptide derived from human nNOS around the phosphorylation site of Ser1417: SE(p-S)IA. | | |
| Purification: affinity purified by Protein A | | Predicted MW.: 160 kDa |
| Concentration: 1mg/ml | | Subcellular Location: Cell membrane |
| 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: The protein encoded by this gene belongs to the family of nitric oxide synthases, which synthesize nitric oxide from L-arginine. Nitric oxide is a reactive free radical, which acts as a biologic mediator in several processes, including neurotransmission, and antimicrobial and antitumoral activities. In the brain and peripheral nervous system, nitric oxide displays many properties of a neurotransmitter, and has been implicated in neurotoxicity associated with stroke and neurodegenerative diseases, neural regulation of smooth muscle, including peristalsis, and penile erection. This protein is ubiquitously expressed, with high level of expression in skeletal muscle. Multiple transcript variants that differ in the 5' UTR have been described for this gene but the full-length nature of these transcripts is not known. Additionally, alternatively spliced transcript variants encoding different isoforms (some testis-specific) have been found for this gene.[provided by RefSeq, Feb 2011]. | | |

— VALIDATION IMAGES —

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-phospho-nNOS (Ser1417) Polyclonal Antibody, Unconjugated(bs-19301R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining