

bsm-52474R**[Primary Antibody]****BioSS**
ANTIBODIES

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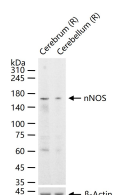
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nNOS Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-1000)
Clonality: Recombinant	CloneNo.: 2G8	Reactivity: Rat (predicted: Human, Mouse)
GeneID: 4842	SWISS: P29475	
Target: nNOS		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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].		
		Predicted MW.: 130 kDa
		Observed MW.: 165 kDa
		Subcellular Location: Cell membrane

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with nNOS monoclonal antibody, unconjugated (bsm-52474R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=5.7]** Bo Bao. et al. Excessive Supplement of l-Arginine Induces Myopia via Orchestrating the MEK-ERK-NO Signaling Pathway. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX WB ;Guinea pig. 39535109