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

nNOS Recombinant Rabbit mAb

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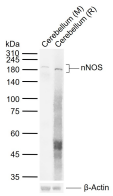
DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 2G8
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].

Applications: **WB** (1:500-1000)
Reactivity: Mouse, Rat
Predicted MW.: 130 kDa
Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebellum tissue lysates
Lane 2: Rat Cerebellum tissue lysates Primary:
Anti-nNOS (bsm-52474R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 130 kDa
Observed band size: 180 kDa

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