

**RABBIT ANTI-NITRIC OXIDE SYNTHASE I
(NOS-I; bNOS; nNOS)
POLYCLONAL ANTIBODY**

CATALOG NO:	AB1632
LOT NUMBER:	xxxx
QUANTITY:	100 µg
CONCENTRATION:	1 mg/mL
SPECIFICITY:	Reactive with human brain NOS-I (nNOS). Antibody binding is neutralized in Western blot by pre-adsorption with the immunogen peptide. This sequence is highly conserved in human, rat and mouse.
IMMUNOGEN:	Synthetic peptide corresponding to amino acids 724-739 of human brain NOS, coupled to KLH.
APPLICATIONS:	<p><u>Immunohistochemistry:</u> Use at 5-10 µg/mL on rat neuronal sections fixed with 3.5% paraformaldehyde. Incubation overnight at 4°C is recommended. ABC (peroxidase) detection. Positive staining of Purkinje cells and Layer 5 primary neurons.</p> <p><u>Western blot:</u> 1 - 10 µg/mL with chemiluminescent detection. Higher concentrations of the antibody may be necessary if colorimetric detection is used. Antibody dilution will also vary with the concentration of antigen. Then antibody should recognize a ~150-160 kDa protein.</p> <p><u>ELISA:</u> Use at 1.0 µg/mL or lower on plates coated with 50 - 100 ng of peptide antigen.</p> <p>Optimal working dilutions must be determined by the end user.</p>
FORMAT:	Peptide affinity-purified immunoglobulin
PRESENTATION:	Liquid in PBS plus 0.1% BSA and 0.05% sodium azide.
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated thawing and refreezing.
REFERENCE:	Bredt, D.S., et al. (1991) <i>Nature</i> 351 , 714.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200µl or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

For research use only; not for use as a diagnostic.

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