

Neuronal Nitric Oxide Synthase Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 56116

Size: 100 ug affinity-purified antibody in phosphate-buffered saline, pH 7.4.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 19-31 of human neuronal nitric oxide synthase.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide

SPECIFICITY

This antibody recognizes the human variant of neuronal nitric oxide synthase (nNOS). nNOS is one of three NOS isoforms along with endothelial cell NOS (eNOS) and inducible NOS (iNOS). The three isoforms differ in primary sequence, having only 50-60% sequence identity. nNOS and iNOS can be purified from cytosol while eNOS is membrane-bound. All three NOS isoforms catalyze the formation of NO and L-citrulline from L-arginine.

APPLICATIONS

Immunoblotting: use at 1:500-1:1,000 dilution. In immunoblots, a band of approximately 155 kD is detected.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.