

## Anti-Nitric Oxide Synthase [3F7-B11-B5] Standard Size Ab02690-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

**Isotype and Format:** Mouse IgM, Kappa

**Clone Number:** 3F7-B11-B5

**Alternative Name(s) of Target:** NOS; Nitric oxide synthase; NOS-3F7-B11-B5

**UniProt Accession Number of Target Protein:** E1BK13

**Published Application(s):** WB, IHC

**Published Species Reactivity:** Bovine, Rat, Mouse

**Immunogen:** The original antibody was generated by immunizing mice against purified, bovine cerebellum NOS.

**Specificity:** The antibody recognizes mouse, rat and bovine NOS.

**Application Notes:** The antibody reacted with bovine cerebellum NOS as well as with structurally different NOSs from cultured bovine aortic endothelial cells and cultured RAW 264.7 macrophages in Western blot analysis. The reactivity of the antibody was confirmed by immunohistochemical staining of rat cerebellum, arterial endothelial cells, and cultured stimulated macrophages. The antibody showed immunoreactivity within the respiratory epithelium but not in the bronchial smooth muscle (Rengasamy et al, 1994; pmid:7528982). The antibody was used for immunohistochemistry study to investigate the neuronal nitric oxide synthase immunoreactivity in cats (Papantchev et al, 2006; pmid:17120106). The antibody was used for immunohistochemical study on human colon tissue sample (Amato et al, 2014; pmid:24443715).

**Antibody First Published in:** Rengasamy et al. Immunohistochemical demonstration of a paracrine role of nitric oxide in bronchial function. Am J Physiol. 1994 Dec;267(6 Pt 1):L704-11. [PMID:7528982](#)

**Note on publication:** The article describes the generation and characterization of the antibody.

### Product Form

**Size:** 50 µg Purified antibody.

**Purification:** Affinity Purified using a recombinant lectin column

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:**

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.