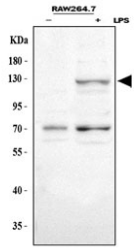
Nos2 Antibody / iNos (RQ7239)

Catalog No.	Formulation	Size
RQ7239	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P29477
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Nos2 antibody is available for research use only.



Western blot testing of lysed mouse RAW264.7 cells, with (+) and without (-) LPS stimulation, using Nos2 antibody. Predicted molecular weight ~130 kDa.

Description

Nitric oxide synthase, inducible is an enzyme that in humans is encoded by the NOS2 gene. Nitric oxide (NO) is a messenger molecule with diverse functions throughout the body. In the brain and peripheral nervous system, NO displays many properties of a neurotransmitter; it is implicated in neurotoxicity associated with stroke and neurodegenerative diseases, neural regulation of smooth muscle, including peristalsis, and penile erection. Three different NOS isoforms have been identified which fall into two distinct types, constitutive and inducible. The inducible NOS (iNOS) isoform is expressed in a variety of cell types and tissues in response to inflammatory agents and cytokines. The human iNOS (NOS2) gene is approximately 37 kb in length and consists of 26 exons and 25 introns. NOS2-derived NO is a

prerequisite for cytokine signaling and function in innate immunity.

Application Notes

Optimal dilution of the Nos2 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids I40-L1099) was used as the immunogen for the Nos2 antibody.

Storage

After reconstitution, the Nos2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.