



# SZABO SCANDIC

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## Produktinformation



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# PRODUCT INFORMATION



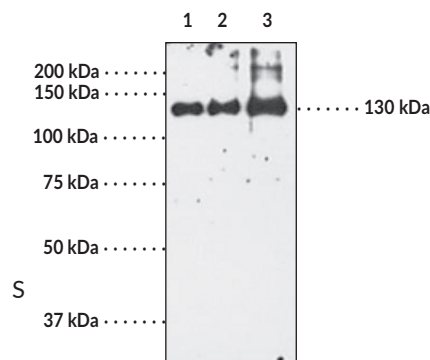
## iNOS Polyclonal Antibody

Item No. 160862

### Overview and Properties

<b>Contents:</b>	This vial contains 500 µl of protein A-purified polyclonal antibody.
<b>Synonyms:</b>	Inducible Nitric Oxide Synthase, NOS II
<b>Immunogen:</b>	Purified iNOS from cytokine-induced mouse macrophages (RAW 264.7) cells.
<b>Cross Reactivity:</b>	(+) nNOS (5%); (-) eNOS
<b>Species Reactivity:</b>	(+) Mouse; other species not tested
<b>Uniprot No.:</b>	P29477
<b>Form:</b>	Liquid
<b>Storage:</b>	-20°C (as supplied)
<b>Stability:</b>	≥3 years
<b>Storage Buffer:</b>	PBS, pH 7.2, with 50% glycerol and 0.02% sodium azide
<b>Host:</b>	Rabbit
<b>Applications:</b>	Immunohistochemistry (IHC), Immunoprecipitation (IP), and Western blot (WB); the recommended starting dilution is 1:200. <sup>1-3</sup> Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.

### Image



Lane 1: iNOS electrophoresis standard (50 ng)  
Lane 2: iNOS electrophoresis standard (100 ng)  
Lane 3: iNOS electrophoresis standard (200 ng)

**WARNING**  
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

**SAFETY DATA**  
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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# PRODUCT INFORMATION



## Description

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Nitric Oxide Synthase (NOS) catalyzes the biosynthesis of nitric oxide from L-arginine. Constitutively expressed NOS is found in brain (nNOS) and endothelial cells (eNOS). iNOS is a soluble enzyme found in a variety of tissues including macrophages, hepatocytes, vascular smooth muscle cells, and chondrocytes.<sup>4,5</sup> iNOS expression is increased by a variety of factors including LPS, IFN- $\gamma$ , IL-1 $\beta$ , and TNF- $\alpha$ , whereas expression is decreased by dexamethasone.<sup>6-10</sup> The enzyme has been cloned from several species including mouse, rat, and human with homology of at least 80% between these species.<sup>5</sup> The calculated molecular weight of the protein from the deduced amino acid sequence is 130,000 - 131,000.<sup>4</sup>

## References

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