

# Product Datasheet

## iNOS Antibody NBP1-50606-0.25ml

Unit Size: 0.25 ml

Store at 4C. Do not freeze.

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### Publications: 6

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**NBP1-50606-0.25ml**

iNOS Antibody

Product Information	
Unit Size	0.25 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	10mM PBS (pH 7.4) and BSA
Product Description	
Host	Rabbit
Gene ID	4843
Gene Symbol	NOS2
Species	Human, Mouse, Rat, Porcine, Bovine
Immunogen	iNOS Antibody was made to a synthetic peptide derived from the C-terminus of mouse iNOS and nNOS.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	Use in FLOW reported in scientific literature (PMID: 26857066). Use in ICC/IF reported in scientific literature (PMID: 30158522).



## Publications

Oizumi H, Miyamoto Y, Seiwa C et al. Lethal Adulthood Myelin Breakdown by Oligodendrocyte-specific Ddx54 Knockout iScience 2023-07-01 [PMID: 37720086] (ICC/IF, Mouse)

Fitzpatrick Sf, Lambden S, Macias D et Al. 2-Hydroxyglutarate Metabolism Is Altered in an in vivo Model of LPS Induced Endotoxemia Front Physiol 2020-03-03 [PMID: 32194434] (WB, Human)

Baruteau J, Perocheau D, Hanley J et al. Argininosuccinic aciduria fosters neuronal nitrosative stress reversed by Asl gene transfer Nat Commun. [PMID: 30158522] (IF/IHC, ICC/IF, Mouse)

Schroter D, Neugart S, Schreiner M et al. Amaranth's 2-Caffeoylisocitric Acid-An Anti-Inflammatory Caffeic Acid Derivative That Impairs NF-kB Signaling in LPS-Challenged RAW 264.7 Macrophages Nutrients 2019-03-07 [PMID: 30866427] (Mouse)

Kanazawa H, Tseliou E, Dawkins JF et al. Durable Benefits of Cellular Postconditioning: Long-Term Effects of Allogeneic Cardiosphere-Derived Cells Infused After Reperfusion in Pigs with Acute Myocardial Infarction. J Am Heart Assoc 2016-02-08 [PMID: 26857066] (FLOW)

Abdel-Daim MM, Farouk SM, Madkour FF, Azab SS. Anti-inflammatory and immunomodulatory effects of Spirulina platensis in comparison to Dunaliella salina in acetic acid-induced rat experimental colitis Immunopharmacol Immunotoxicol. 2015-01-08 [PMID: 25567297] (IHC-P, Rat)

### Details:

iNOS antibody used for IHC-P on sections of colonic lesions from Rats subjected to acetic acid-induced experimental colitis followed by treatment or not with Spirulina platensis/SP, Dunaliella salina/DS extracts or Sulfasalazine/SSZ (standard drug used to treat bowel inflammation, diarrhea, rectal bleeding, and abdominal pain in patients with ulcerative colitis). The acetic acid-treated group as well as Dunaliella-treated/DS groups of rats showed severe immunoreactivity of iNOS in mucosa, submucosa and muscularis, whereas, the control as well as the ones treated with SP or SSZ had weak to moderate iNOS expression. (Figure 6). Spirulina platensis exerted superior beneficial effects in alleviating acetic acid-induced colitis via anti-inflammatory actions which were even better than SSZ.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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