

Datasheet for ABIN677228

anti-NOS2 antibody (AA 14-100)

5 Images

10 Publications

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Overview

Quantity:	100 µL
Target:	NOS2
Binding Specificity:	AA 14-100
Reactivity:	Human, Mouse, Rat, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse NOS-2
Isotype:	IgG
Cross-Reactivity:	Chicken, Human, Mouse, Rat
Predicted Reactivity:	Dog,Pig,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	NOS2
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Target Details

Alternative Name:	iNOS (NOS2 Products)
Background:	<p>Synonyms: iNOS, Nos-2, Nos2a, i-NOS, NOS-II, Nitric oxide synthase, inducible, Inducible NO synthase, Inducible NOS, Macrophage NOS, MAC-NOS, NOS type II, Peptidyl-cysteine S-nitrosylase NOS2, Nos2, Inosl</p> <p>Background: Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In macrophages, NO mediates tumoricidal and bactericidal actions. Also has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such COX2.</p>
Gene ID:	18126
UniProt:	P29477
Pathways:	Retinoic Acid Receptor Signaling Pathway , Cellular Response to Molecule of Bacterial Origin , Inositol Metabolic Process , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Liu, Li, Yang, Niu, Zhao, Zhao, Wang: "Valproic acid attenuates inflammation of optic nerve and apoptosis of retinal ganglion cells in a rat model of optic neuritis." in: **Biomedicine & pharmacotherapy**, Vol. 96, pp. 1363-1370, (2018) ([PubMed](#)).

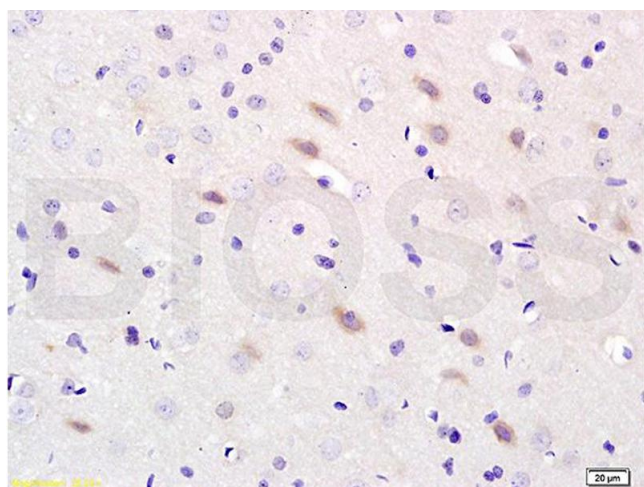
Zhao, Jiang, Wang, Geng, Wang, Han, Wang: "The Roles of Reactive Oxygen Species and Nitric Oxide in Perfluorooctanoic Acid-Induced Developmental Cardiotoxicity and L-Carnitine Mediated Protection." in: **International journal of molecular sciences**, Vol. 18, Issue 6, (2017) ([PubMed](#)).

Sun, Yang, Zhang, Zhao: "Esculentoside A ameliorates cecal ligation and puncture-induced acute kidney injury in rats." in: **Experimental animals**, (2017) ([PubMed](#)).

Xiong, Wang, Chu, Chen, Guo: "Salvianolic Acid B Restored Impaired Barrier Function via Downregulation of MLCK by microRNA-1 in Rat Colitis Model." in: **Frontiers in pharmacology**, Vol. 7, pp. 134, (2016) ([PubMed](#)).

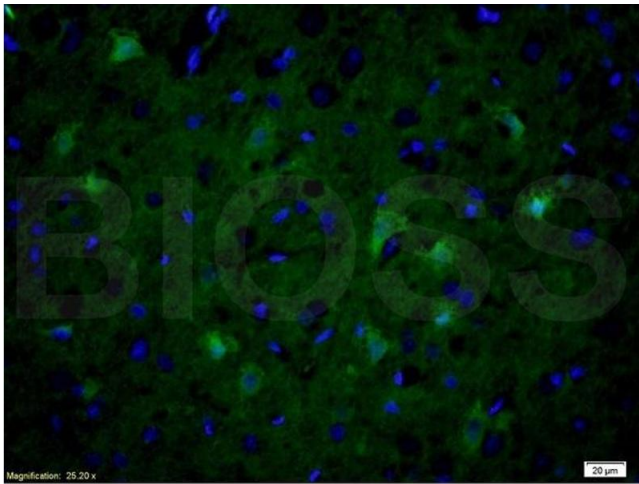
There are more publications referencing this product on: [Product page](#)

Images



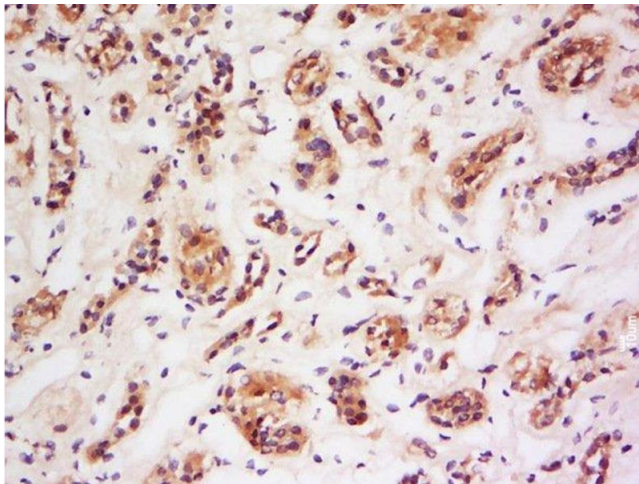
Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded : rat brain labeled with Rabbit Anti-NOS-2/iNOS Polyclonal Antibody, Unconjugated (ABIN677228) 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunofluorescence

Image 2. Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti-NOS-2/iNOS Polyclonal Antibody, Unconjugated (ABIN677228) at 1:200 followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG, FITC conjugated used at 1:200 dilution for 40 minutes at 37°C and DAPI



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded human kidney labeled with Anti-NOS-2/iNOS Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN677228.