

iNOS Antibody

Catalog No: #33424

Package Size: #33424-1 50ul #33424-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	iNOS Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous levels of total iNOS protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human iNOS.
Conjugates	Unconjugated
Target Name	iNOS
Other Names	NITRIC OXIDE SYNTHASE; INDUCIBLE; NITRIC OXIDE SYNTHASE; MACROPHAGE; NOS2A
Accession No.	Swiss-Prot: P35228NCBI Gene ID: 4843
SDS-PAGE MW	130kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

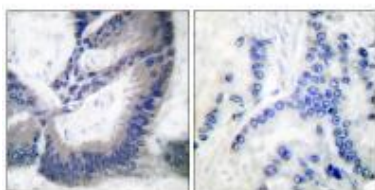
Application Details

Western blotting: 1:500~1:3000

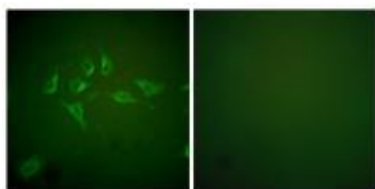
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

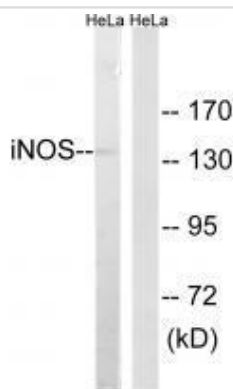
Images



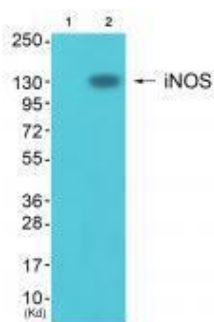
Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using iNOS antibody #33424.



Immunofluorescence analysis of HepG2 cells, using iNOS antibody #33424.



Western blot analysis of extracts from HeLa cells, using iNOS antibody #33424.



Western blot analysis of extracts from JK cells (Lane 2), using iNOS antibody #33424. The lane on the left is treated with synthesized peptide.

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.

Rachel J. Jones, Am J Physiol Heart Circ Physiol, Jun 2007; 292: H2634 - H2642.

Katrin Linker, Nucleic Acids Res., Aug 2005; 33: 4813 - 4827.

Donna-Marie McCafferty, Donna-Marie McCafferty,

Lian-Qun Qiu, J. Am. Soc. Nephrol., Aug 2004; 15: 2066 - 2078.

Published Papers

el at., The Hippo-YAP signaling pathway drives CD24-mediated immune evasion in esophageal squamous cell carcinoma via macrophage phagocytosis. In *Oncogene* on 2024 Feb by Xiaofeng Zhou, Ziyi Yan, et al.. PMID:38168654, , (2024)

[PMID:38168654](#)

Rui Yang; Meng-Yan Deng; Lu-Kui Yang; Guan-Zhe Wang; Jun Ma; Qiang Wen; Na Gao; Hai-Ling Qiao et al., Identification of Cytochrome P450 2E1 as a Novel Target in Neuroinflammation and Development of Its Inhibitor Q11 as a Treatment Strategy., , (2025)

[PMID:40122152](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.