

ARG46706 anti-iNOS antibody [4E5]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [4E5] recognizes iNOS
Tested Reactivity	Hu, Ms
Tested Application	FACS, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	4E5
Isotype	IgG1
Target Name	iNOS
Species	Human
Immunogen	Recombinant protein containing to human iNOS.
Conjugation	Un-conjugated
Alternate Names	HEP-NOS; Inducible NO synthase; INOS; Nitric oxide synthase, inducible; iNOS; Hepatocyte NOS; NOS2A; Peptidyl-cysteine S-nitrosylase NOS2; Inducible NOS; NOS; NOS type II; EC 1.14.13.39

Application Instructions

Application table	Application	Dilution
	FACS	1:100 - 1:200
	IHC-P	1:100 - 1:500
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	100 kDa	

Properties

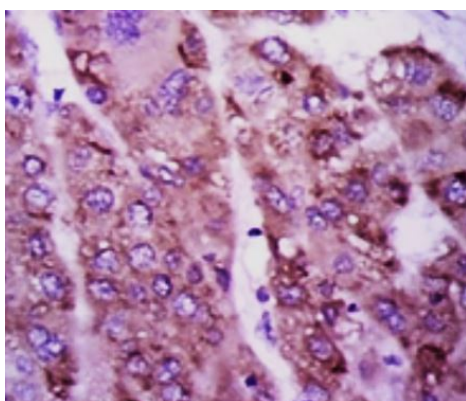
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS(pH 7.3), 0.01% sodium azide and 30% glycerol
Preservative	0.01% sodium azide
Stabilizer	30% glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

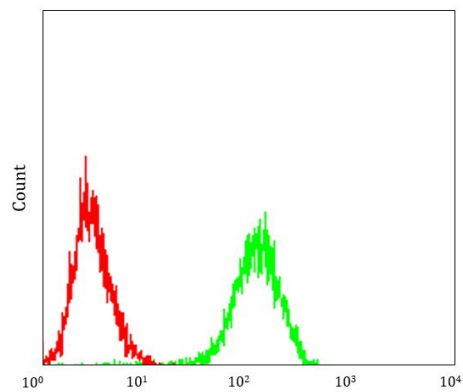
Gene Symbol	NOS2
Gene Full Name	nitric oxide synthase 2, inducible
Background	iNOS: Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. Nitric oxide synthase is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]
Function	iNOS produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body (PubMed:7531687, PubMed:7544004). In macrophages, NO mediates tumoricidal and bactericidal actions. Also has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such PTGS2/COX2. As component of the iNOS-S100A8/9 transnitrosylase complex involved in the selective inflammatory stimulus-dependent S-nitrosylation of GAPDH on 'Cys-247' implicated in regulation of the GAIT complex activity and probably multiple targets including ANXA5, EZR, MSN and VIM (PubMed:25417112). Involved in inflammation, enhances the synthesis of proinflammatory mediators such as IL6 and IL8 (PubMed:19688109). [UniProt]
Highlight	<p>Related products:</p> <p>iNOS antibodies; iNOS ELISA Kits; iNOS Duos / Panels; Anti-Rabbit IgG secondary antibodies;</p> <p>Related news:</p> <p>New antibody panels and duos for Tumor immune microenvironment</p> <p>Tumor-Infiltrating Lymphocytes (TILs)</p> <p>Exploring Antiviral Immune Response</p> <p>Anti-SerpinB9 therapy, a new strategy for cancer therapy</p> <p>RIP1 activation and pathogenesis of NASH</p>
Calculated Mw	131 kDa
PTM	Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

Images



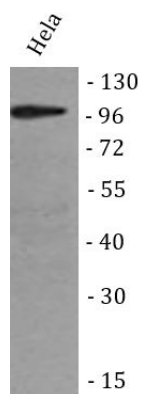
ARG46706 anti-iNOS antibody [4E5] IHC-P image

Immunohistochemistry: Human liver cancer stained with ARG46706 anti-iNOS antibody [4E5].



ARG46706 anti-iNOS antibody [4E5] FACS image

Flow Cytometry: Hela stained with ARG46706 anti-iNOS antibody [4E5].



ARG46706 anti-iNOS antibody [4E5] WB image

Western blot: Hela stained with ARG46706 anti-iNOS antibody [4E5].