

iNOS Recombinant antibody

Cat: B09010R

Company: HaoKebio

Uniprot ID: P35228

Applications: IHC:1:50-1:250

Organism: Rabbit

IHC-Polymer:1:200-1:1000

Species reactivity: Human Mouse Rat

IHC-TSA:1:250-1:1200

WB:1:500-1:2000

Background:

NOS2, also named as iNOS and NOS2A, produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. NO is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission, antimicrobial and antitumoral activities. NOS2 is a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. iNOS has a very short half-life due to rapid degradation by calpain. iNOS monomer is a direct substrate of calpain I and can be cleaved by calpain I at the canonical CaM-binding site(503-532aa) of iNOS, and then a ~70 kDa band can be detected by western. This antibody is specific to NOS2.

Protein full name:

nitric oxide synthase 2, inducible

Synonyms:

NOS2, EC:1.14.13.39, Hepatocyte NOS, HEP-NOS, Inducible NO synthase

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

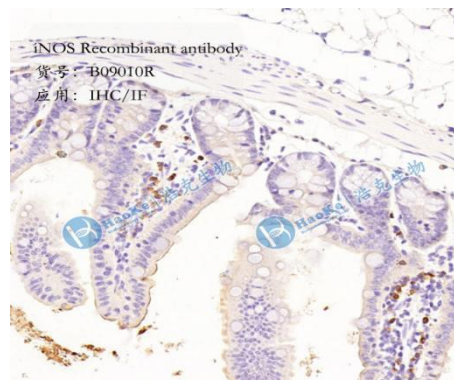
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 6.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse intestines, 4% PFA 12-24h

Source of Reagents:

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