

产品名称: NOS2 Rabbit Polyclonal Antibody
产品货号: APRab14803



产品概述 (Summary)

产品名称 (Production Name)	NOS2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	NOS2 NOS2; NOS2A; Nitric oxide synthase; inducible; Hepatocyte NOS; HEP-NOS;
别名 (Alternative Names)	Inducible NO synthase; Inducible NOS; iNOS; NOS type II; Peptidyl-cysteine S-nitrosylase NOS2
基因 ID (Gene ID)	4843.0
蛋白 ID (SwissProt ID)	P35228.The antiserum was produced against synthesized peptide derived from human iNOS. AA range:117-166

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	131kDa

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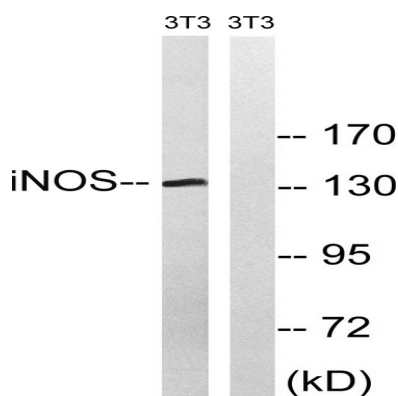
研究背景 (Background)

Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase which 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], catalytic activity: L-arginine + n NADPH + n H⁺ + m O₂ = citrulline + nitric oxide + n NADP⁺, cofactor: Binds 1 FAD, cofactor: Binds 1 FMN, cofactor: Heme group, cofactor: Tetrahydrobiopterin (BH₄). May stabilize the dimeric form of the enzyme, enzyme regulation: Regulated by calcium/calmodulin. Aspirin inhibits expression and function of this enzyme and effects may be exerted at the level of translational/post-translational modification and directly on the catalytic activity, function: Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In macrophages, NO mediates tumoricidal and bactericidal actions, induction: By endotoxins and cytokines, online information: Nitric oxide synthase entry, similarity: Belongs to the NOS family, similarity: Contains 1 FAD-binding FR-type domain, similarity: Contains 1 flavodoxin-like domain, subunit: Homodimer. Binds SLC9A3R1, tissue specificity: Expressed in the liver, retina, bone cells and airway epithelial cells of the lung. Not expressed in the platelets,

研究领域 (Research Area)

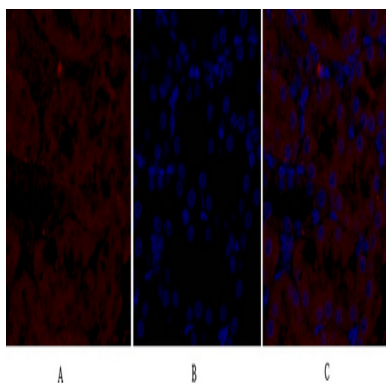
Arginine and proline metabolism; Calcium; Pathways in cancer; Small cell lung cancer;

图片 (Image Data)



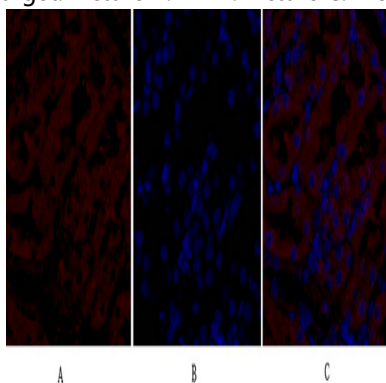
Western blot analysis of lysates from NIH/3T3 cells, using iNOS Antibody. The lane on the right is blocked with the synthesized peptide.

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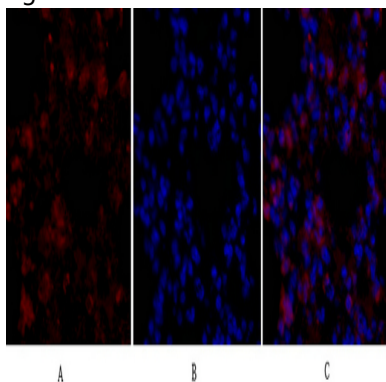
Immunofluorescence analysis of rat-kidney tissue. 1, NOS2 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight) .
2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min.

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



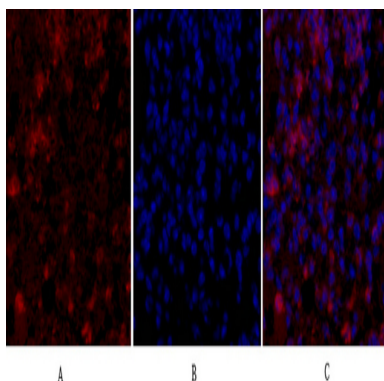
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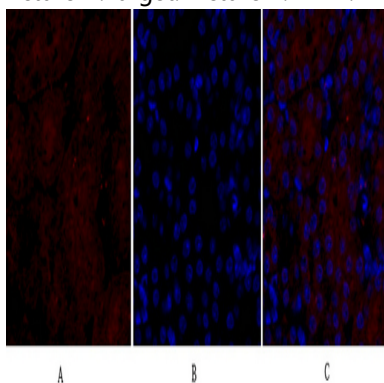


Immunofluorescence analysis of mouse-lung tissue. 1, NOS2 Polyclonal Antibody (red) was diluted at
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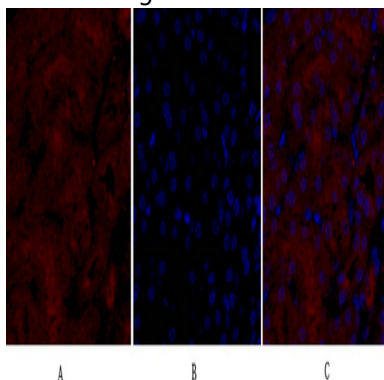
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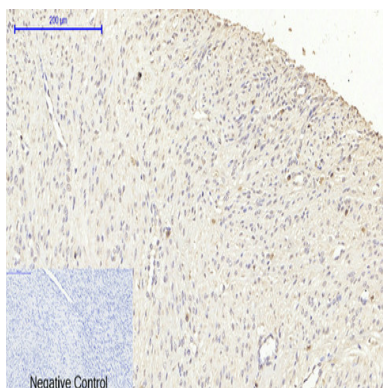


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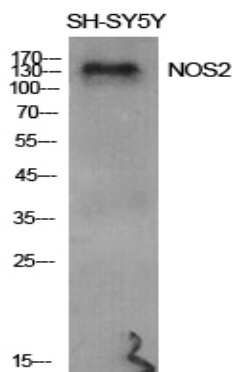


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Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1, NOS2 Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20 min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Western Blot analysis of various cells using NOS2 Polyclonal Antibody diluted at 1:500

注意事项 (Note)

For research use only.