Product **Datasheet**

Anti-NOS2/INOS Rabbit pAb

WL0992a

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-NOS2/INOS Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC, IF	1:50-1:300
Cellular localization	Cytoplasm	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Nitric oxide (NO) has a broad range of biological activities and has been implicated in signaling pathways in phylogenetically diverse species. Nitric oxide synthases (NOSs), the enzymes responsible for synthesis of NO, contain an N-terminal oxygenase domain and a C-terminal reductase domain. NOS activity requires homodimerization as well as three cosubstrates (L-arginine, NADPH and O2) and five cofactors or prosthetic groups. Several distinct NOS isoforms have been described and been shown to represent the products of three distinct genes. These include two constitutive Ca2+/CaM-dependent forms of NOS, including NOS1 whose activity was first identified in neurons, and NOS3, first identified in endothelial cells. The inducible form of NOS, NOS2 (also designated iNOS), is Ca2+-independent and is expressed in a broad range of cell types.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of NOS2/INOS.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

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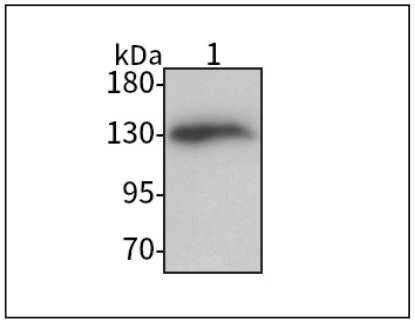
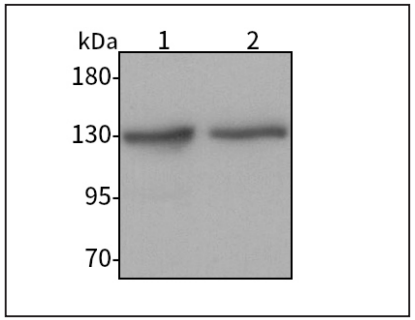
Product Images



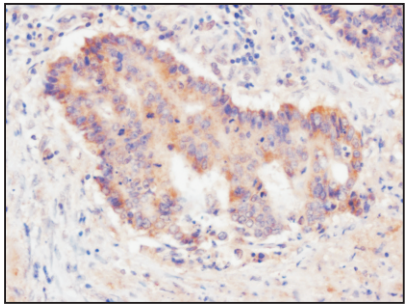
Western blot-Anti-NOS2/INOS pAb

Lane 1: Human Hela cell lysate
All lanes: Anti-NOS2/INOS at 1:1000 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 131 kDa
Observed band size: 130 kDa



Western blot-Anti-NOS2/INOS pAb

Lane 1: Mouse colon tissue lysate
Lane 2: Rat liver tissue lysate
All lanes: Anti-NOS2/INOS at 1:1000 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 131 kDa
Observed band size: 130 kDa



Immunohistochemistry-Anti-NOS2/INOS pAb

Immunohistochemical analysis of paraffin-embedded human stomach cancer using anti-NOS2/INOS Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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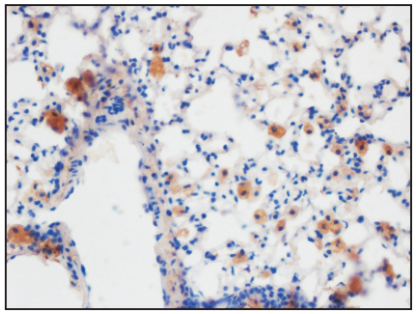
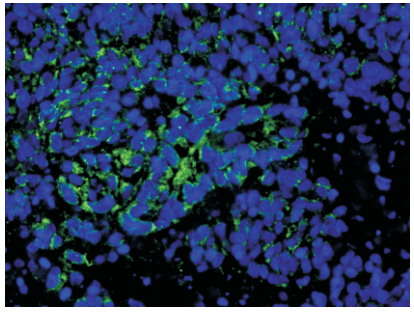


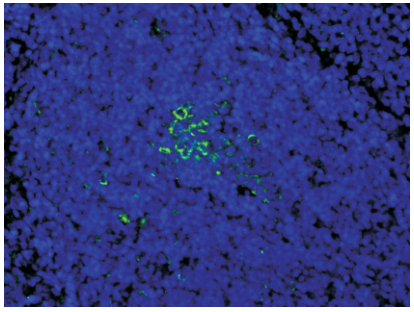
Immunohistochemistry-Anti-NOS2/INOS pAb

Immunohistochemical analysis of paraffin-embedded mouse lung using anti-NOS2/INOS Rabbit Antibody at 1:300 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-NOS2/INOS pAb

Immunofluorescence analysis of paraffin-embedded human lung adenocarcinoma using anti-NOS2/INOS Rabbit Antibody at 1:50 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-NOS2/INOS pAb

Immunofluorescence analysis of paraffin-embedded rat spleen using anti-NOS2/INOS Rabbit Antibody at 1:50 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0