

Product Datasheet

uNOS Antibody (NOS-3F7-B11 B5) NB120-2801

Unit Size: 200uL

Store at -20C. Avoid freeze-thaw cycles.

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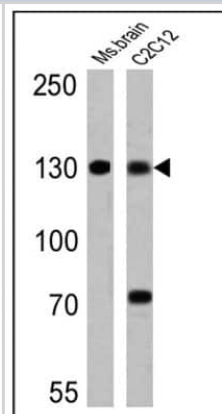
NB120-2801

uNOS Antibody (NOS-3F7-B11 B5)

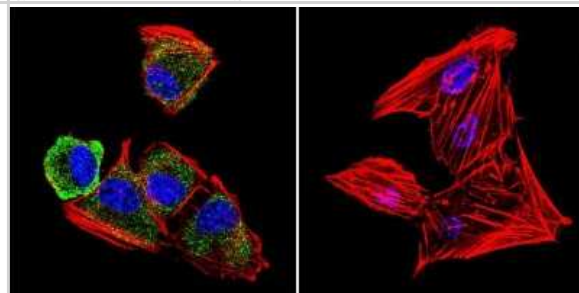
Product Information	
Unit Size	200uL
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	NOS-3F7-B11 B5
Preservative	0.05% Sodium Azide
Isotype	IgM
Purity	Unpurified
Buffer	Ascites
Product Description	
Host	Mouse
Gene ID	4843
Gene Symbol	NOS2
Species	Human, Mouse, Rat, Bovine
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	Detects brain Nitric Oxide Synthase (bNOS), inducible NOS (iNOS) and epithelial NOS (eNOS).
Immunogen	Purified bovine bNOS.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:50 - 1:500, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:20, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Frozen 1:100
Application Notes	WB: Detects an approx. 130 kDa band representing iNOS in samples first induced with interferon (IFN) and lipopolysaccharides (LPS), an approx. 155 kDa band in tissues expressing bNOS and an approx. 140 kDa band in tissues expressing eNOS.

Images

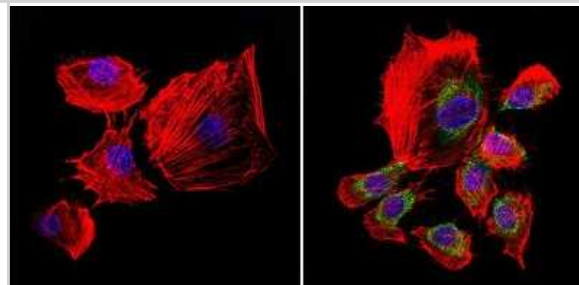
Western Blot: uNOS Antibody (NOS-3F7-B11 B5) [NB120-2801] - Analysis of 25 ug of mouse brain (lane 1) and C2C12 (lane 2) lysates.



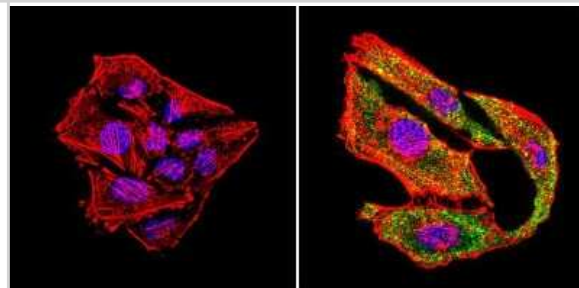
Immunocytochemistry/Immunofluorescence: uNOS Antibody (NOS-3F7-B11 B5) [NB120-2801] - Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a uNOS monoclonal antibody at a dilution of 1:20 overnight at 4 C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody and nuclei with DAPI (blue) is shown.



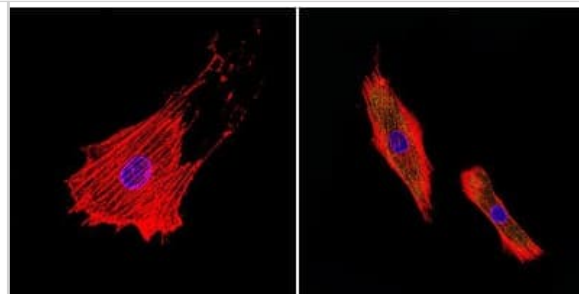
Immunocytochemistry/Immunofluorescence: uNOS Antibody (NOS-3F7-B11 B5) [NB120-2801] - Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes at room temperature and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a uNOS monoclonal antibody at a dilution of 1:20 and incubated overnight in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody for 45 minutes at room temperature in the dark. F-actin (red) was stained with a fluorescent phalloidin and nuclei (blue) were stained with DAPI.



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Publications

Nizari S The effect of cholinergic loss on the structure and function of the neurovascular unit: implications for cerebral amyloid angiopathy Thesis (IF/IHC, Mouse)



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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