

Datasheet for ABIN655717
anti-NOS2 antibody (AA 830-860)[Go to Product page](#)

7 Images

Overview

Quantity:	400 µL
Target:	NOS2
Binding Specificity:	AA 830-860
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This NOS2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 830-860 amino acids from the Central region of human NOS2A.
Clone:	RB18210
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	NOS2
Alternative Name:	NOS2A (NOS2 Products)

Target Details

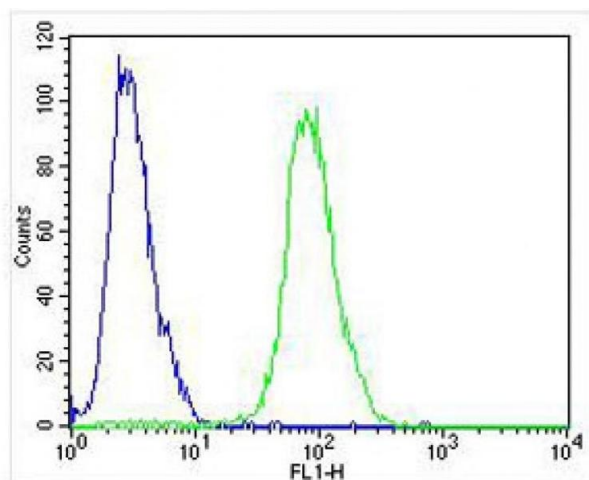
Background:	Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17.
Molecular Weight:	131117
Gene ID:	4843
NCBI Accession:	NP_000616
UniProt:	P35228
Pathways:	Retinoic Acid Receptor Signaling Pathway , Cellular Response to Molecule of Bacterial Origin , Inositol Metabolic Process , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Application Notes:	IF: 1:25. WB: 1:2000. WB: 1:2000. WB: 1:1000. IHC-P: 1:25. IHC-P: 1:50~100. FC: 1:25
Restrictions:	For Research Use only

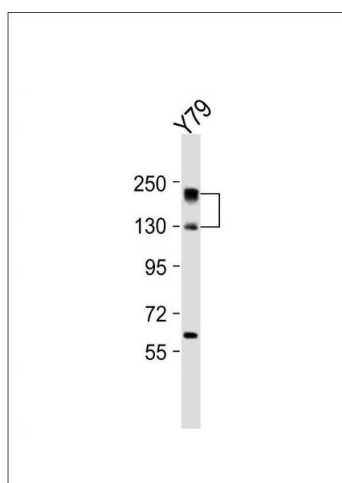
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



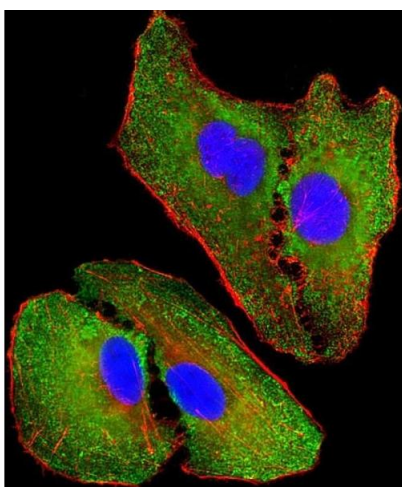
Flow Cytometry

Image 1. Overlay histogram showing Jurkat cells stained with (ABIN655717 and ABIN2845167) (green line). The cells were fixed with 4 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN655717 and ABIN2845167), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. Anti-NOS2A Antibody (Center) at 1:2000 dilution + Y79 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 131 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Immunofluorescence

Image 3. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized A549 (human lung adenocarcinoma epithelial cell line) cells labeling NOS2A with (ABIN655717 and ABIN2845167) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on A549 cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/200 dilution (red). Nuclei are stained with DAPI (blue).

1/100 dilution (red). The nuclear counter stain is DAPI (blue).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN655717.