

Datasheet for ABIN652267
anti-ENOS antibody (N-Term)

3 Images

1 Publication

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Overview

Quantity:	400 µL
Target:	ENOS (NOS3)
Binding Specificity:	AA 48-75, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This NOS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 48-75 amino acids from the N-terminal region of human NOS3.
Clone:	RB18211
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ENOS (NOS3)
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Target Details

Alternative Name:	NOS3 (NOS3 Products)
Background:	Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. Nitric oxide is synthesized from L-arginine by nitric oxide synthases.
Molecular Weight:	133275
Gene ID:	4846
NCBI Accession:	NP_000594 , NP_001153581 , NP_001153582 , NP_001153583
UniProt:	P29474
Pathways:	ACE Inhibitor Pathway , Regulation of Systemic Arterial Blood Pressure by Hormones , Cellular Response to Molecule of Bacterial Origin , Myometrial Relaxation and Contraction , Signaling Events mediated by VEGFR1 and VEGFR2 , Thromboxane A2 Receptor Signaling , VEGFR1 Specific Signals , VEGF Signaling

Application Details

Application Notes:	IF: 1:10~50. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

Handling

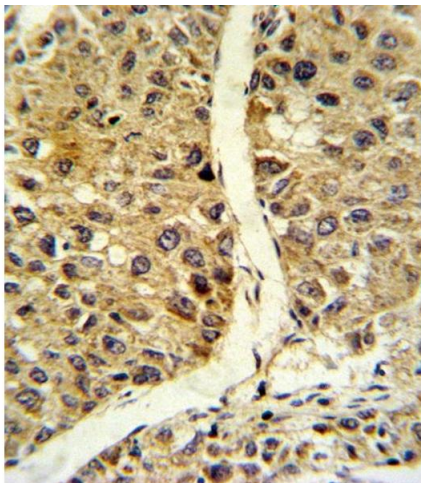
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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

Publications

Product cited in:	Xu, Han, Epstein, Liu: "Regulation of PDK mRNA by high fatty acid and glucose in pancreatic
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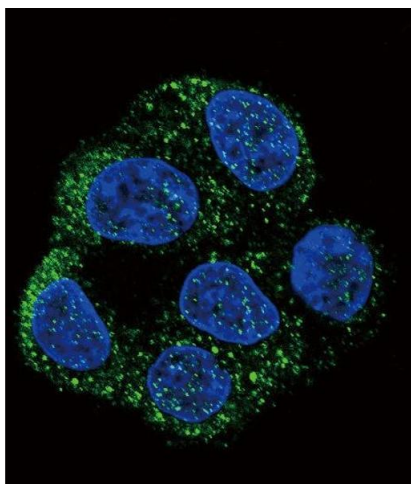
islets." in: **Biochemical and biophysical research communications**, Vol. 344, Issue 3, pp. 827-33, (2006) ([PubMed](#)).

Images



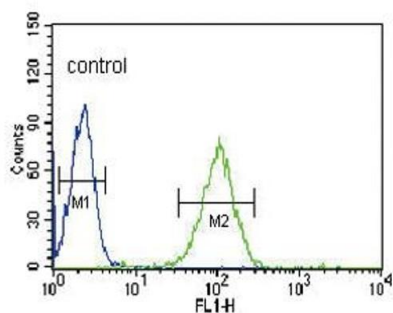
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with NOS3 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of NOS3 Antibody (N-term) (ABIN652267 and ABIN2841142) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Flow Cytometry

Image 3. NOS3 Antibody (N-term) (ABIN652267 and ABIN2841142) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.