

Datasheet for ABIN655773
anti-ENOS antibody (AA 1156-1183)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	ENOS (NOS3)
Binding Specificity:	AA 1156-1183
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	This eNos antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1156-1183 amino acids from human eNos.
Clone:	RB29786
Isotype:	IgG
Predicted Reactivity:	B, M, Pig, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ENOS (NOS3)
Alternative Name:	eNos (NOS3 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. Nitric oxide is synthesized from L-arginine by nitric oxide synthases. Variations in this gene are associated with susceptibility to coronary spasm. Multiple transcript variants encoding different isoforms have been found for this gene.
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

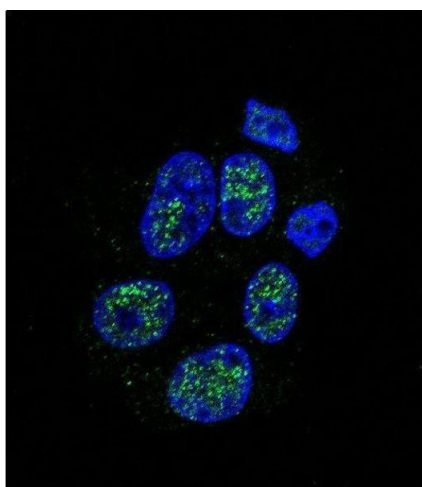
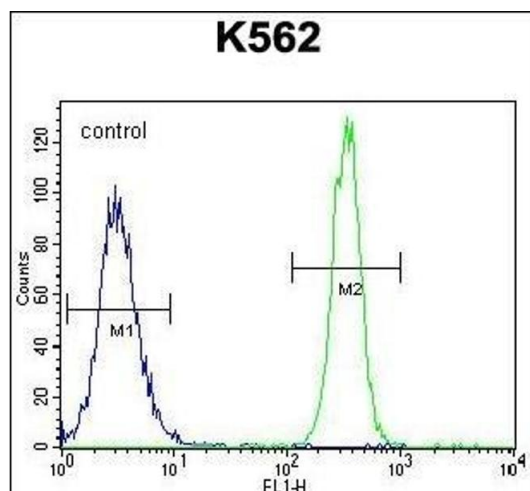
Application Notes:	IF: 1:10~50. WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

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

Product cited in: Kawakubo-Yasukochi, Morioka, Hazekawa, Yasukochi, Nishinakagawa, Ono, Kawano, Nakamura, Nakashima: "miR-200c-3p spreads invasive capacity in human oral squamous cell carcinoma microenvironment." in: **Molecular carcinogenesis**, Vol. 57, Issue 2, pp. 295-302, (2018) ([PubMed](#)).

Images

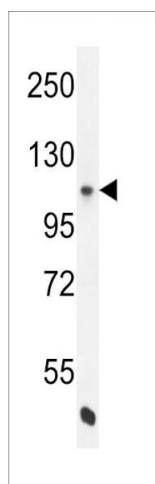


Flow Cytometry

Image 1. eNos Antibody (ABIN655773 and ABIN2845211) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunofluorescence

Image 2. Confocal immunofluorescent analysis of eNos Antibody (ABIN655773 and ABIN2845211) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. eNos Antibody (ABIN655773 and ABIN2845211) western blot analysis in K562 cell line lysates (35 μ g/lane). This demonstrates the eNos antibody detected the eNos protein (arrow).