

Datasheet for ABIN701245
anti-ENOS antibody (pThr113)



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1 Image

Overview

Quantity:	100 µL
Target:	ENOS (NOS3)
Binding Specificity:	pThr113
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENOS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from mouse eNOS around the phosphorylation site of Ser113
Isotype:	IgG
Specificity:	This phosphorylation site is homologous across the listed species, this phosphorylation site does not exist in human due to a Thr-Ser substitution.
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ENOS (NOS3)
Alternative Name:	eNOS (NOS3 Products)
Background:	Synonyms: eNOS, Nos-3, ecNOS, 2310065A03Rik, Nitric oxide synthase, endothelial, Constitutive NOS, cNOS, EC-NOS, Endothelial NOS, NOS type III, NOSIII, Nos3 Background: Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets. May play a significant role in normal and abnormal limb development.
Gene ID:	18127
UniProt:	P70313
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:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

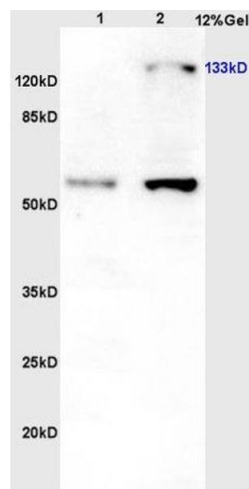
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Lane 1: Rat brain lysates; Lane 2: Rat liver lysates probed with Rabbit Anti-eNOS (Thr113) Polyclonal Antibody (ABIN701245) at 1:300 overnight in 4 °C. Followed by conjugation to the secondary antibody at 1:5000 90min in 37 °C.