eNOS(Phospho-Ser1177) Antibody

Catalog No: #11156

Package Size: #11156-1 50ul #11156-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

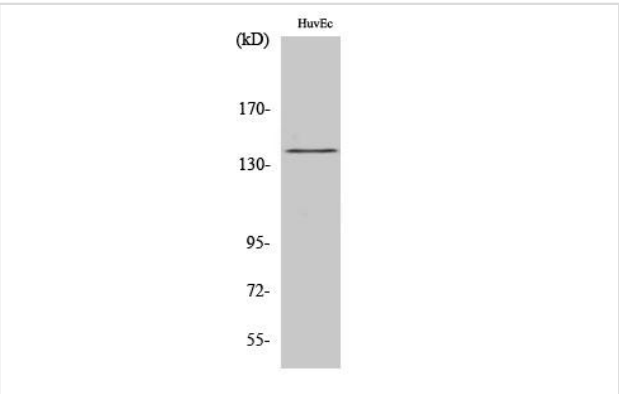
Description

Product Name	eNOS(Phospho-Ser1177) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB;IF
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-NOS3 (S1177) Polyclonal Antibody detects endogenous levels of NOS3 protein only when phosphorylated at S1177.
Immunogen Type	Peptide-KLH
Immunogen Description	The antiserum was produced against synthesized peptide derived from human eNOS around the phosphorylation site of Ser1176
Conjugates	Unconjugated
Target Name	eNOS
Modification	Phospho
Other Names	Constitutive NOS; EC-NOS; ECNOS; NOS3; NOSIII
Accession No.	Swiss-Prot: P29474NCBI Protein: NP_000594.2
Calculated MW	130-140kD
Concentration	1.0mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

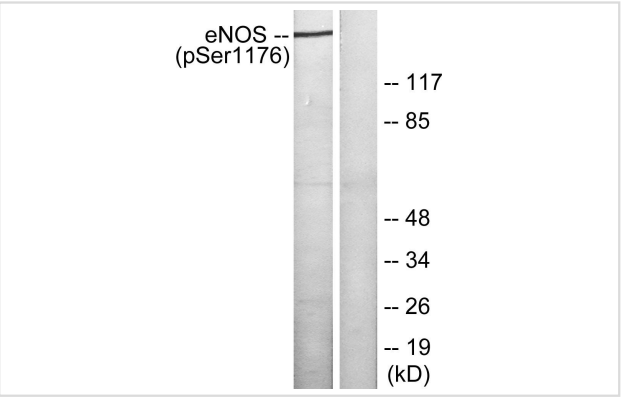
Application Details

WB 1:500 - 1:2000. IF 1:200 - 1:1000.

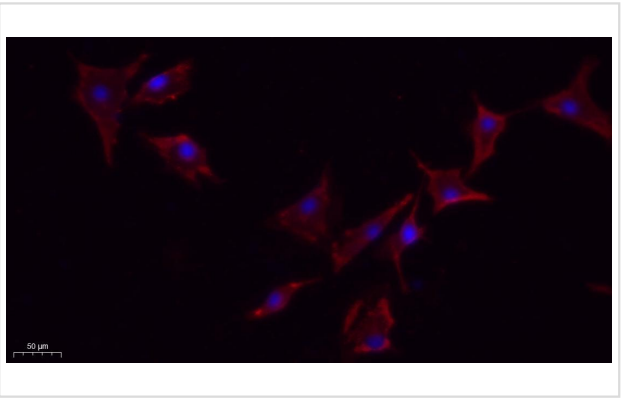
Images



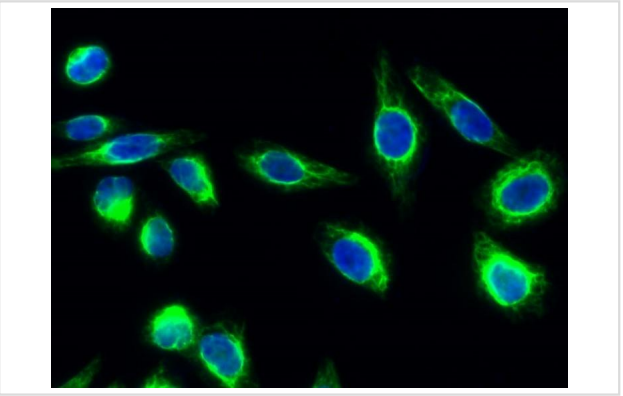
Western Blot analysis of HuvEc cells using Phospho-NOS3 (S1177) Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from HeLa cells treated with Insulin 0.01U/ml 15', using eNOS (Phospho-Ser1176) Antibody. The lane on the right is blocked with the phospho peptide.



Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Immunofluorescence analysis of Hela cell. 1,NOS3 (phospho Ser1177) Polyclonal Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue) 10min.

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. [provided by RefSeq, May 2009],

Published Papers

el at., Chronic intermittent hypobaric hypoxia protects vascular endothelium by ameliorating autophagy in metabolic syndrome rats. In Life Sci.On 2018 Jul 15 by Cui F, Guan Y et al..PMID:29733850, , (2018)

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el at., Gardenamide A protects RGC-5 cells from H2O2-induced oxidative stress insults by activating PI3K/Akt/eNOS signaling pathway.In Int J Mol Sci on 2015 Sep 15 by Rikang Wang , Lizhi Peng et al..PMID:26389892, , (2015)

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el at., Adenosine mono-phosphate-activated protein kinase-mammalian target of rapamycin signaling participates in the protective effect of chronic intermittent hypobaric hypoxia on vascular endothelium of metabolic syndrome rats. In Chin J Physiol on 2022 Mar-Apr by Fang Cui, Min Shi,et al..PMID:35488670, , (2022)

PMID:35488670

Note: This product is for in vitro research use only and is not intended for use in humans or animals.