

For Research Use Only

Phospho-eNOS (Thr495) Polyclonal antibody

Catalog Number: 28939-1-AP

6 Publications



Basic Information

Catalog Number:

28939-1-AP

Size:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC063294

GeneID (NCBI):

4846

UNIPROT ID:

P29474

Full Name:

nitric oxide synthase 3 (endothelial cell)

Calculated MW:

133 kDa

Observed MW:

133 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human, mouse, rat

Positive Controls:

WB : VEGF treated HUVEC cells, EGF treated HUVEC cells, Cobalt Chloride treated HUVEC cells

Background Information

Endothelial NOS (eNOS), also known as nitric oxide synthase 3 (NOS3), has a protective function in the cardiovascular system, which is attributed to NO production. Polymorphisms in NOS3 gene affects the susceptibility to several diseases such as hypertension, preeclampsia, diabetes mellitus, obesity, erectile dysfunction, and migraine. The sequence homology of eNOS protein in human and mouse is above 90%, and phosphorylation of threonine at 495 site in human corresponds to 494 site in mouse.

Notable Publications

Author	Pubmed ID	Journal	Application
Sha Wang	35602302	J Oncol	WB
Hailu Wu	33376304	Drug Des Devel Ther	WB
Dongxu Hua	39500998	Commun Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

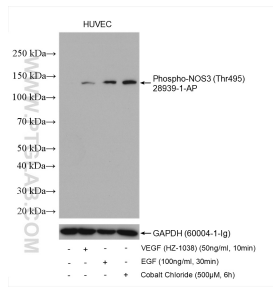
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Selected Validation Data



Non-treated, VEGF (HZ-1038), EGF and Cobalt Chloride treated HUVEC cells were subjected to SDS PAGE followed by western blot with 28939-1-AP (Phospho-NOS3 (Thr495) antibody) at dilution of 1:1000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.