

For Research Use Only

NOS3 Recombinant antibody

Catalog Number: 85020-4-RR



Basic Information

Catalog Number:

85020-4-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25712

GenBank Accession Number:

GeneID (NCBI):

4846

UNIPROT ID:

P29474

Full Name:

nitric oxide synthase 3 (endothelial cell)

Observed MW:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

242543E10

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : bEnd.3 cells, 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. NOS3 has 3 isoforms of 68, 69, 133 kDa. Polymorphisms in NOS3 gene affects the susceptibility to several diseases such as hypertension, preeclampsia, diabetes mellitus, obesity, erectile dysfunction, and migraine.

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:

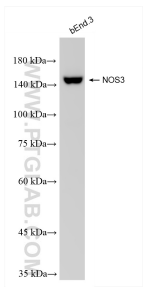
T: 4006900926

E: Proteintech-CN@ptglab.com

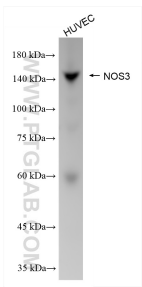
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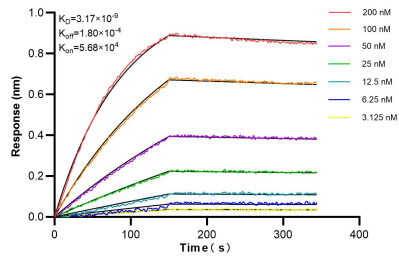
Selected Validation Data



bEnd.3 cells were subjected to SDS PAGE followed by western blot with 85020-4-RR (NOS3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



HUVEC cells were subjected to SDS PAGE followed by western blot with 85020-4-RR (NOS3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85020-4-RR against Human NOS3 were performed. The affinity constant is 3.17 nM.