

For Research Use Only

NOS3 Recombinant antibody

Catalog Number: 85020-4-RR



Basic Information

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|--|---|---|
| Catalog Number: 85020-4-RR | GenBank Accession Number: GeneID (NCBI): 4846 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | UNIPROT ID: P29474 | CloneNo.: 242543E10 |
| Source: Rabbit | Full Name: nitric oxide synthase 3 (endothelial cell) | Recommended Dilutions: WB 1:5000-1:50000 |
| Isotype: IgG | Observed MW: 140 kDa | |
| Immunogen Catalog Number: AG25712 | | |

Applications

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|---|---|
| Tested Applications: WB, ELISA | Positive Controls: WB : bEnd.3 cells, HUVEC cells |
| Species Specificity: human, mouse | |

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

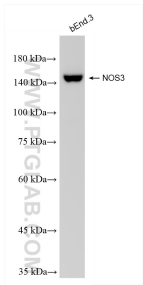
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

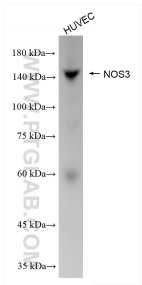
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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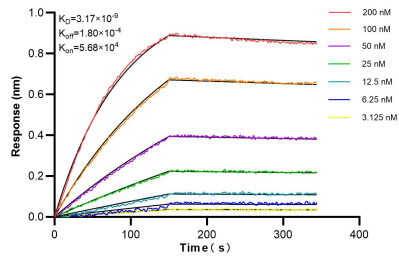
Selected Validation Data



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.