eNOS (Phospho-Ser615) Antibody

Catalog No: #12137

Package Size: #12137-1 50ul #12137-2 100ul

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

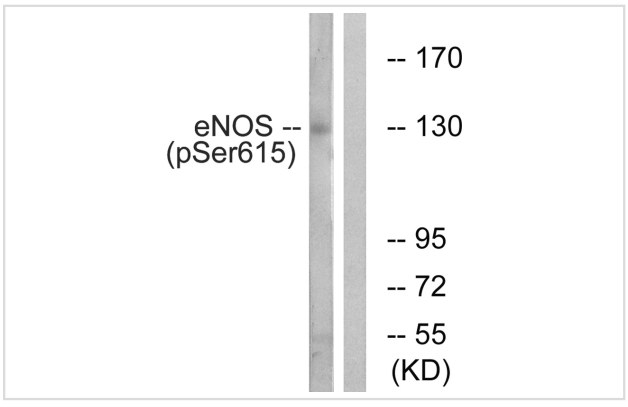
Description

Product Name	eNOS (Phospho-Ser615) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of eNOS only when phosphorylated at serine 615.
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of serine 615 (F-N-S(p)-I-S) derived from Human eNOS.
Target Name	eNOS
Modification	Phospho-Ser615
Other Names	Constitutive NOS; EC 1.14.13.39; EC-NOS; ECNOS; Endothelial NOS; NOS; type III; NOS3; NOSIII; Nitric-oxide synthase; endothelial; cNOS
Accession No.	Swiss-Prot#:P29474;NCBI Gene#:4846
SDS-PAGE MW	140kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from K562 cells, treated with EGF (40nM, 30mins), using eNOS (Phospho-Ser615) antibody #12137. The lane on the right is treated with the synthesized peptide.

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.
Isoform eNOS13C: Lacks eNOS activity, dominant-negative form that may down-regulate eNOS activity by forming heterodimers with isoform 1.

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