

eNOS (Phospho-Ser615) Conjugated Antibody

Catalog No: #C12137



Package Size: #C12137-AF350 100ul #C12137-AF405 100ul #C12137-AF488 100ul
 #C12137-AF555 100ul #C12137-AF594 100ul #C12137-AF647 100ul
 #C12137-AF680 100ul #C12137-AF750 100ul #C12137-Biotin 100ul

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Description

Product Name	eNOS (Phospho-Ser615) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of eNOS only when phosphorylated at serine 615.
Immunogen Description	Peptide sequence around phosphorylation site of serine 615 (F-N-S(p)-I-S) derived from Human eNOS.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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#:P29474NCBI Gene ID:4846
Uniprot	P29474
GeneID	4846;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	140
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250
 AF405 conjugated: most applications: 1: 50 - 1: 250
 AF488 conjugated: most applications: 1: 50 - 1: 250
 AF555 conjugated: most applications: 1: 50 - 1: 250
 AF594 conjugated: most applications: 1: 50 - 1: 250
 AF647 conjugated: most applications: 1: 50 - 1: 250
 AF680 conjugated: most applications: 1: 50 - 1: 250
 AF750 conjugated: most applications: 1: 50 - 1: 250

Product Description

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 chromatography using non-phosphopeptide.

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