

Rabbit eNOS Polyclonal Antibody | anti-eNOS antibody

eNOS (Phospho-Ser1177) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29721	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

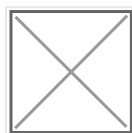
PRODUCT SYNONYMS

eNOS; Polyclonal Antibody; eNOS (Phospho-Ser1177) Antibody; Constitutive NOS; EC-NOS; ECNOS; NOS3; NOSIII; anti-eNOS antibody

PRODUCT SPECIFICATIONS

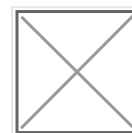
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of eNOS only when phosphorylated at serine 1177.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1203
Applicable Applications for anti-eNOS antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Western Blotting: 1:500~1:1000 Immunohistochemistry: 1:50~1:100 Immunofluorescence: 1:100~1:200
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 1177 (T-Q-S(p)-F-S) derived from Human eNOS.
Modification	Phospho-Ser1177
Target Name	eNOS
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 chromatography using non-phosphopeptide.
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from 3T3 cells treated with EGF, HWEK cells treated with VEGF and JK cells using eNOS (Phospho-Ser1177) Antibody #AAA29721.



IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed HeLa cells using eNOS(Phospho-Ser1177) Antibody.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using eNOS(Phospho-Ser1177) Antibody (left) or the same antibody preincubated with blocking peptide(right).

ADDITIONAL INFORMATION

Related Product Information for anti-eNOS antibody	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.
Product Categories/Family for anti-eNOS antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254422
NCBI GeneID	4846
NCBI Accession #	NP_000594.2
NCBI GenBank Nucleotide #	NM_000603.4
UniProt Accession #	P29474 ; Q13662 ; Q14251 ; Q14434 ; Q548C1 ; Q6GSL5 ; Q9UDC6 ; A0S0A7 ; A0S0A8 ; A8KA63 ; B2RCQ1 ; E9PFR2
Molecular Weight	140kd
NCBI Official Full Name	nitric oxide synthase, endothelial isoform 1
NCBI Official Synonym Full Names	nitric oxide synthase 3 (endothelial cell)
NCBI Official Symbol	NOS3
NCBI Official Synonym Symbols	eNOS; ECNOS
NCBI Protein Information	nitric oxide synthase, endothelial
UniProt Protein Name	Nitric oxide synthase, endothelial
UniProt Gene Name	NOS3
UniProt Synonym Gene Names	cNOS; eNOS; NOSIII
UniProt Entry Name	NOS3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/enos-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/29721>