

## Product datasheet for **AP31282PU-N**

### eNOS (NOS3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blotting (0.5-4 µg/ml).
Reactivity:	Bovine, Equine, Human, Monkey, Mouse, Porcine, Rat, Sheep
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide surrounding amino acid 602 of Rat eNOS
Specificity:	The antibody recognizes 140 kDa eNOS.
Formulation:	PBS containing 30% Glycerol, 0.5% BSA, and 0.01% Thimerosal. State: Aff - Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. For long term storage aliquot and freeze at -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	nitric oxide synthase 3
Database Link:	<a href="#">Entrez Gene 18127 Mouse</a> <a href="#">Entrez Gene 24600 Rat</a> <a href="#">Entrez Gene 4846 Human P29474</a>



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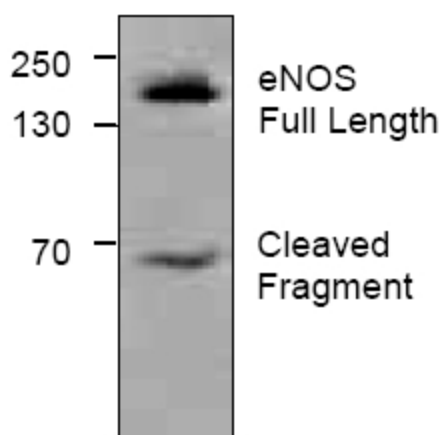
**Background:** eNOS (Endothelial nitric-oxide synthase) is an important enzyme in the cardiovascular system. eNOS is regulated by phosphorylation at multiple sites. The two most thoroughly studied sites are the activation site Ser1177 and the inhibitory site Thr495. Several protein kinases including Akt/PKB, PKA and AMPK activate eNOS by phosphorylating Ser1177 in response to various stimuli. In contrast, bradykinin and hydrogen peroxide activate eNOS activity by promoting Thr495 dephosphorylation.

**Synonyms:** Endothelial NOS, EC-NOS, NOS type III, Constitutive NOS, eNOS

**Protein Families:** Druggable Genome

**Protein Pathways:** Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Arginine and proline metabolism, Calcium signaling pathway, Long-term depression, Metabolic pathways, Pathways in cancer, Small cell lung cancer, VEGF signaling pathway

### Product images:



Western Blot analysis of eNOS in Jurkat Cell Lysate using eNOS antibody.