

# Phospho eNOS (Ser1177) Antibody

rev 12/19

**CATALOG NO.:** A1949-100 (100 µl)

**BACKGROUND DESCRIPTION:** Nitric oxide is a reactive free radical, which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. Nitric oxide is synthesized from L-arginine by nitric oxide synthases. Variations in this gene are associated with susceptibility to coronary spasm. Alternative splicing and the use of alternative promoters results in multiple transcript variants.

**ALTERNATE NAMES:** NOS3; ECNOS; eNOS; nitric oxide synthase 3

**ANTIBODY TYPE:** Polyclonal

**HOST/ISOTYPE:** Rabbit / IgG

**IMMUNOGEN:** A synthetic phosphorylated peptide around Ser1177 of human eNOS

**MOLECULAR WEIGHT:** 133 kDa

**PURIFICATION:** Affinity purified

**FORM:** Liquid

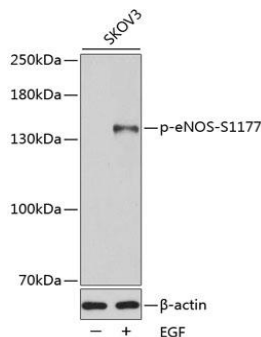
**FORMULATION:** In PBS with 0.02% sodium azide, 50% glycerol, pH7.3

**SPECIES REACTIVITY:** Mouse, Human

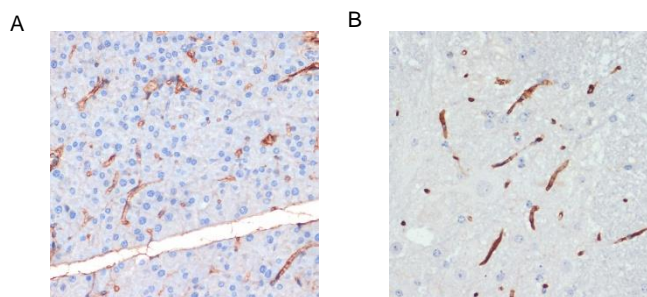
**STORAGE CONDITIONS:** Store at -20°C. Avoid freeze / thaw cycles

**APPLICATIONS AND USAGE:** IHC 1:50 - 1:200, WB 1:500 - 1:2000.

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis of extracts of SKOV3 cells, using phospho eNOS (Ser1177) antibody. SKOV3 cells were treated by EGF. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% BSA.



Immunohistochemistry of paraffin-embedded mouse pancreas (A) and mouse spinal cord (B) using phospho eNOS (Ser1177) antibody at dilution of 1:200 (40x lens).

## RELATED PRODUCTS:

eNOS Antibody (3426R)  
 Anti-Angiotensin II Antibody (A1588)  
 Phospho-AMPKβ1 (Ser182) Antibody (A1248)  
 Phospho-eNOS (Ser615) Antibody (A1730)

**FOR RESEARCH USE ONLY! Not to be used on humans.**