

# Phospho-eNOS-S1177 Rabbit pAb

Catalog No.: AP0515 **13 Publications**

## Basic Information

### Observed MW

140 kDa

### Calculated MW

133 kDa

### Category

Primary antibody

### Applications

WB, IHC-P, ELISA

### Cross-Reactivity

Human, Mouse

## Background

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.

## Recommended Dilutions

**WB** 1:500 - 1:5000

**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

4846

### Swiss Prot

P29474

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

eNOS; ECNOS; Phospho-eNOS-S1177

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

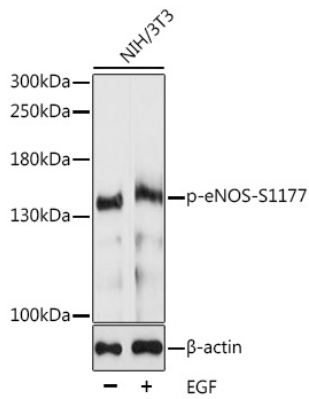
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-eNOS-S1177 Rabbit pAb (AP0515) at 1:1000 dilution. NIH/3T3 cells were treated with EGF (100ng/mL) for 30 minutes after serum-starvation overnight.

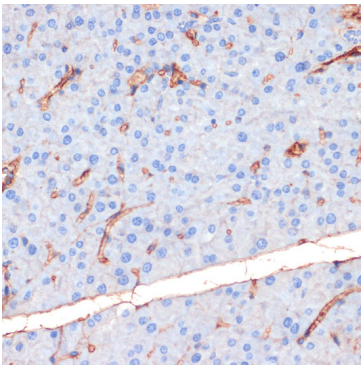
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

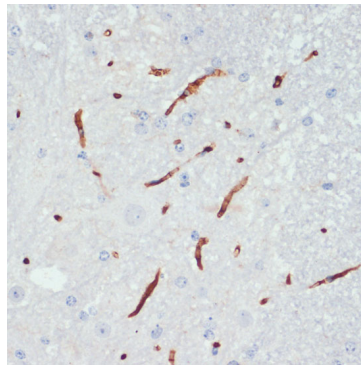
Blocking buffer: 3% BSA.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Mouse pancreas using Phospho-eNOS-S1177 Rabbit pAb (AP0515) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spinal cord using Phospho-eNOS-S1177 Rabbit pAb (AP0515) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.