

Phospho-eNOS-S1177 Rabbit pAb

Catalog No.: AP0515

9 Publications

Basic Information

Observed MW

133kDa

Calculated MW

133kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

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 - 1:2000

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

4846

Swiss Prot

P29474

Immunogen

A synthetic phosphorylated peptide around S1177 of human eNOS (NP_000594.2).

Synonyms

eNOS; ECNOS; Phospho-eNOS-S1177

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

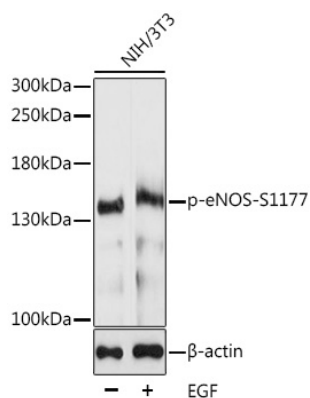
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

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 by EGF (100ng/mL) for 30 minutes after serum-starvation overnight.

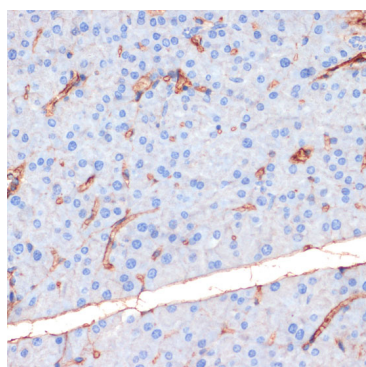
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

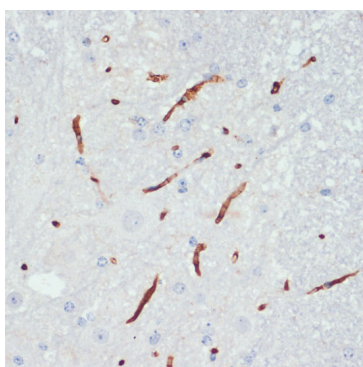
Blocking buffer: 3% BSA.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 60s.



Immunohistochemistry analysis of Phospho-eNOS-S1177 in paraffin-embedded mouse pancreas using Phospho-eNOS-S1177 Rabbit pAb (AP0515) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Phospho-eNOS-S1177 in paraffin-embedded mouse spinal cord using Phospho-eNOS-S1177 Rabbit pAb (AP0515) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.