

Anti-Phospho-eNOS (Ser1177) Rabbit pAb

Purified Rabbit Polyclonal Antibody

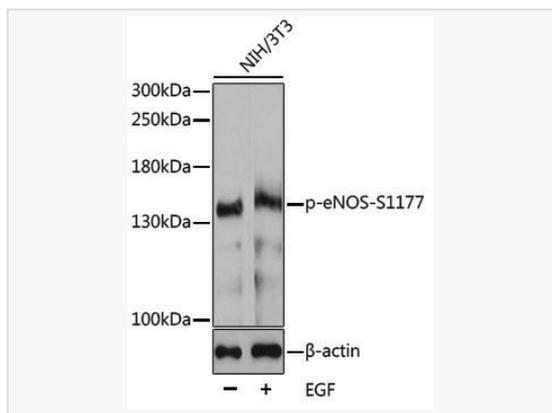
Catalog # P108940

Product Information

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|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), ELISA |
| Reactivity | Human, Mouse |
| Dilution | WB 1:500~1:2,000; IHC-P 1:50~1:200 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthetic phosphorylated peptide around S1177 of human eNOS (NP_000594.2). |
| Format | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-Phospho-eNOS (Ser1177) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

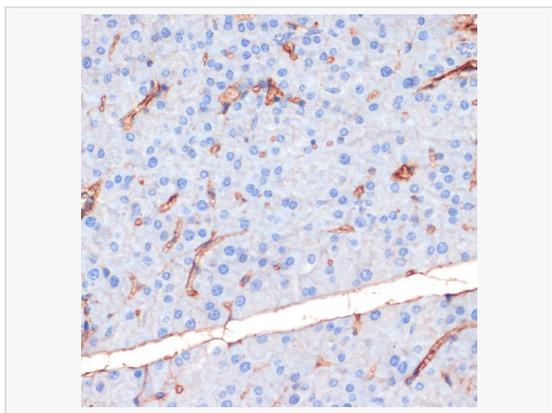
Protein Information

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|---------------|---|
| Synonyms | eNOS; ECNOS; Phospho-eNOS-S1177. |
| Calculated MW | Calculated MW: 133 kDa; Observed MW: 133 kDa |
| Uniprot ID | P29474 |
| Gene ID | 4846 |
| 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. |

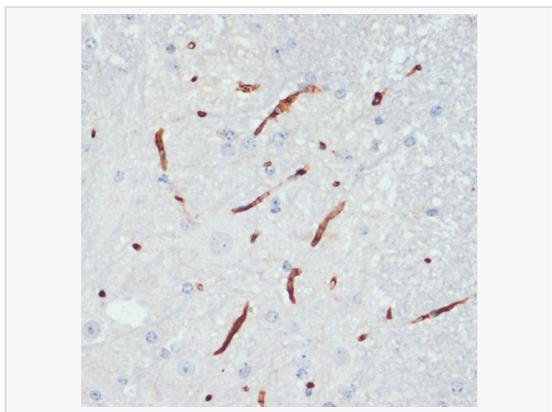


Western blot analysis of lysates from NIH/3T3 cells, using Phospho-eNOS-S1177 Rabbit pAb (P108940) at 1:1,000 dilution. NIH/3T3 cells were treated by EGF (100ng/mL) for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% BSA.
Detection: ECL Enhanced Kit (SQ201).
Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Mouse pancreas using Phospho-eNOS-S1177 Rabbit pAb (P108940) at dilution of 1:200 (40 \times 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 (P108940) at dilution of 1:200 (40 \times lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.