Anti-Phospho-eNOS (Ser1177) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108940

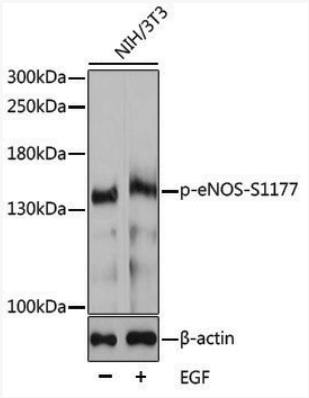
Product Information

Application	WB, IHC-P, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:500~1:5000; 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.

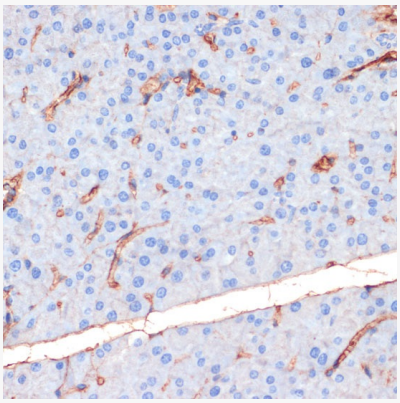
Protein Information

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.

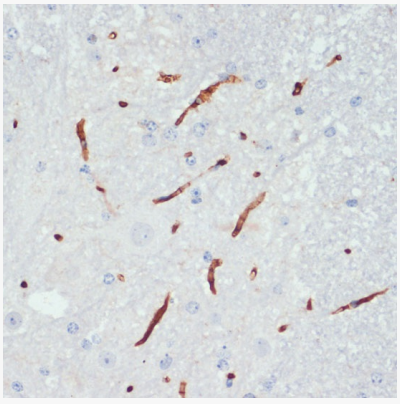
Validation Images



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: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Enhanced Kit.
Exposure time: 60s.



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