

## Anti-eNOS Rabbit pAb

Purified Rabbit Polyclonal Antibody

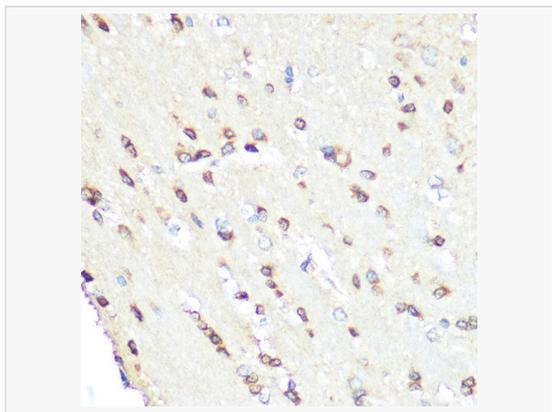
Catalog # P102346

### Product Information

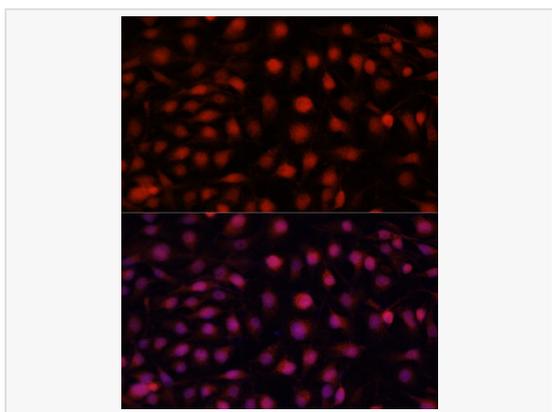
|             |   |
|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA   |
| Reactivity  | Human, Mouse, Rat   |
| Dilution    | WB 1:500~1:1,000; IHC-P 1:50~1:200; IF 1:50~1:200   |
| Host        | Rabbit  |
| Clonality   | Polyclonal  |
| Isotype     | IgG   |
| Label       | Unconjugated  |
| Immunogen   | A synthetic peptide corresponding to a sequence within amino acids 639-738 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-eNOS Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.                      |

### Protein Information

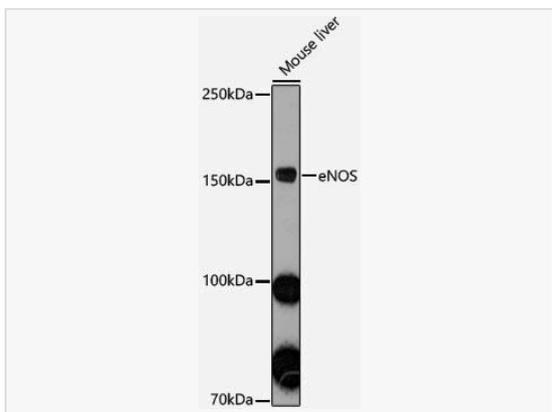
|               |   |
|---------------|---|
| Synonyms      | eNOS; ECNOS.  |
| Calculated MW | Calculated MW: 133 kDa; Observed MW: 140 kDa/160 kDa  |
| Uniprot ID    | P29474  |
| Gene ID       | 4846  |
| Background    | Nitric oxide is a reactive free radical which acts as a biologic mediator in 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. |



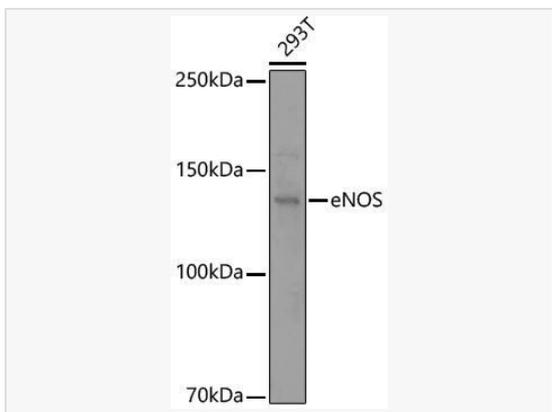
Immunohistochemistry analysis of paraffin-embedded Rat brain using eNOS Rabbit pAb (P102346) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of HUVEC cells using eNOS Rabbit pAb (P102346) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from Mouse liver, using eNOS Rabbit pAb (P102346) at 1:1,000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit.  
Exposure time: 180s.



Western blot analysis of lysates from 293T cells, using eNOS Rabbit pAb (P102346) at 1:500 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit.  
Exposure time: 180s.