

Datasheet for ABIN5014018  
**anti-ENOS antibody (AA 522-705)**



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2 Images

## Overview

|                      |                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                 |
| Target:              | ENOS (NOS3)                                                                                            |
| Binding Specificity: | AA 522-705                                                                                             |
| Reactivity:          | Dog                                                                                                    |
| Host:                | Rabbit                                                                                                 |
| Clonality:           | Polyclonal                                                                                             |
| Conjugate:           | This ENOS antibody is un-conjugated                                                                    |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP) |

## Product Details

|                   |                                                                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Polyclonal Antibody to Endothelial NOS (eNOS)                                                                                                                                  |
| Immunogen:        | RPA868Ca01Recombinant Endothelial NOS (eNOS)                                                                                                                                   |
| Isotype:          | IgG                                                                                                                                                                            |
| Specificity:      | The antibody is a rabbit polyclonal antibody raised against eNOS. It has been selected for its ability to recognize eNOS in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Human, Mouse, Rat                                                                                                                                                              |
| Purification:     | Antigen-specific affinity chromatography followed by Protein A affinity chromatography                                                                                         |

## Target Details

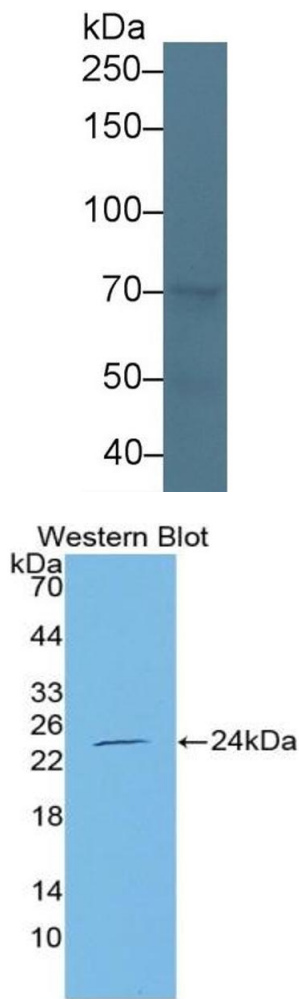
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | ENOS (NOS3)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alternative Name: | eNOS ( <a href="#">NOS3 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | NOS3, ECNOS, NOS III, E-NOS, C-NOS, ENOS, CNOS, Constitutive NOS, Nitric Oxide Synthase 3, Endothelial                                                                                                                                                                                                                                                                                                                                         |
| Pathways:         | <a href="#">ACE Inhibitor Pathway</a> , <a href="#">Regulation of Systemic Arterial Blood Pressure by Hormones</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> , <a href="#">VEGFR1 Specific Signals</a> , <a href="#">VEGF Signaling</a> |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western blotting: 0.5-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, Optimal working dilutions must be determined by end user.                                                                                                                                                                         |
| Comment:           | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                               |

## Handling

|                  |                                                                                                                                                                 |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:          | Liquid                                                                                                                                                          |
| Concentration:   | 500 µg/mL                                                                                                                                                       |
| Buffer:          | PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.                                                                                                     |
| Preservative:    | Sodium azide                                                                                                                                                    |
| Storage:         | 4 °C, -20 °C                                                                                                                                                    |
| Storage Comment: | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |



**Western Blotting**

**Image 1.** Western Blot; Sample: Canine Liver lysate; Primary Ab: 3µg/ml Rabbit Anti-Canine NOS3 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Catalog: SAA544Rb19)

**Western Blotting**

**Image 2.** Figure. Western Blot; Sample: Recombinant protein.