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# Anti-eNOS (Phospho-S615) Antibody

Catalog # AP61082

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | P29474 |
| **Reactivity** | Human, Mouse, Rat, Pig, Bovine, Dog |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 133275 |

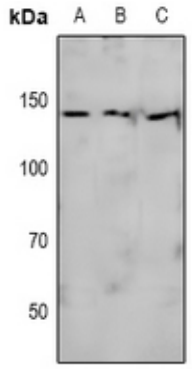
## Additional Information

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| **Gene ID** | 4846 |
| **Other Names** | Nitric oxide synthase endothelial; Constitutive NOS; cNOS; EC-NOS; Endothelial NOS; eNOS; NOS type III; NOSIII |
| **Target/Specificity** | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S615 of human eNOS protein. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000) |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

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| **Name** | NOS3 ( HGNC:7876) |
| **Function** | Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway (PubMed:1378832). NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets. |
| **Cellular Location** | Cell membrane. Membrane, caveola. Cytoplasm, cytoskeleton. Golgi apparatus. Note=Specifically associates with actin cytoskeleton in the G2 phase of the cell cycle; which is favored by interaction with NOSIP and results in a reduced enzymatic activity |
| **Tissue Location** | Platelets, placenta, liver and kidney. |

## Images




Western blot analysis of eNOS (Phospho-S615) expression in K562 (A), mouse spleen (B), rat spleen (C) whole cell lysates. (Predicted band size: 133; 69 kD; Observed band size: 140 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.