

# Immunotag™ Phospho-eNOS (Thr494) Antibody

| Antibody Specification |  |
|------------------------|--|
| Catalog No.            | ITA1019  |
| Product Description    | Immunotag™ Phospho-eNOS (Thr494) Antibody  |
| Size                   | 100 µg, 200 µg   |
| Conjugation            | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647                                      |
| IMPORTANT NOTE         | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein         | Phospho-eNOS (Thr494)  |
| Clonality              | Polyclonal   |
| Storage/Stability      | -20°C/1 year   |
| Application            | WB,IF/ICC,ELISA  |
| Recommended Dilution   | WB 1:500-1:2000, IF/ICC 1:100-1:500  |
| Concentration          | 1 mg/ml  |
| Reactive Species       | Human,Mouse,Rat  |
| Host Species           | Rabbit   |
| Immunogen              | A synthesized peptide derived from human eNOS around the phosphorylation site of Threonine 494   |
| Specificity            | Phospho-eNOS (Thr494) Antibody detects endogenous levels of eNOS only when phosphorylated at Threonine 494   |
| Purification           | The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.            |
| Form                   | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt        |
| Gene Name              | NOS3   |
| Accession No.          | P29474   |

## Antibody Specification

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| Alternate Names           | cNOS; Constitutive NOS; EC NOS; EC-NOS; ecNOS; Endothelial nitric oxidase synthase; Endothelial nitric oxide synthase; Endothelial nitric oxide synthase 3; Endothelial NOS; eNOS; Nitric oxide synthase 3 (endothelial cell); Nitric oxide synthase 3; Nitric oxide synthase 3 endothelial cell; Nitric oxide synthase endothelial; Nitric oxide synthase, endothelial; NOS 3; NOS III; NOS type III; NOS3; NOS3_HUMAN; NOSIII; |
| Description               | Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets.   |
| Cell Pathway/<br>Category | Primary Polyclonal Antibody  |
| Protein MW                | 140kDa   |
| Usage                     | For Research Use Only! Not for diagnostic or therapeutic procedures.   |