

## iNOS Rabbit pAb

CatalogNo: YT3169

Orthogonal Validated KD/KO Validated 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- IF, WB, IHC, ELISA

#### MW

- 131kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**IF 1:50-200**

**WB 1:500-2000**

**ELISA 1:10000-20000**

**IHC 1:50-300**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human iNOS. AA range:117-166

**Specificity** NOS2 Polyclonal Antibody detects endogenous levels of NOS2 protein.

## Target Information

**Gene name** NOS2, INOS

**Protein Name** Nitric oxide synthase inducible

Organism	Gene ID	UniProt ID
Human	<a href="#">4843</a> ;	<a href="#">P35228</a> ;
Mouse	<a href="#">18126</a> ;	<a href="#">P29477</a> ;
Rat	<a href="#">24599</a> ;	<a href="#">Q06518</a> ;

**Cellular Localization** Cytoplasm, cytosol . Localizes as discrete foci scattered throughout the cytosol and in the presence of SPSB1 and SPSB4, exhibits a more diffuse cytosolic localization. .

**Tissue specificity** Expressed in the liver, retina, bone cells and airway epithelial cells of the lung. Not expressed in the platelets. Expressed in chondrocytes (PubMed:7504305).

**Function** Catalytic activity:L-arginine + n NADPH + n H(+) + m O(2) = citrulline + nitric oxide + n NADP(+).,cofactor:Binds 1 FAD.,cofactor:Binds 1 FMN.,cofactor:Heme group.,cofactor:Tetrahydrobiopterin (BH4). May stabilize the dimeric form of the enzyme.,enzyme regulation:Regulated by calcium/calmodulin. Aspirin inhibits expression and function of this enzyme and effects may be exerted at the level of translational/post-translational modification and directly on the catalytic activity.,Function:Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In macrophages, NO mediates tumoricidal and bactericidal actions.,induction:By endotoxins and cytokines.,online information:Nitric oxide synthase entry,similarity:Belongs to the NOS family.,similarity:Contains 1 FAD-binding FR-type domain.,similarity:Contains 1 flavodoxin-like domain.,subunit:Homodimer. Binds SLC9A3R1.,tissue specificity:Expressed in the liver, retina, bone cells and airway epithelial cells of the lung. Not expressed in the platelets.,

## Validation Data

## Contact information

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Please scan the QR code to access additional product information:  
**iNOS Rabbit pAb**