

iNOS Rabbit pAb

CatalogNo: YT3169

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	4843 ;	P35228 ;
Mouse	18126 ;	P29477 ;
Rat	24599 ;	Q06518 ;

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

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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