Anti-iNOS Antibody

Cat:	YK151670
Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity：	Human, Mouse, Rat, Chicken
Applications:	IF-Cell, FC, WB, IHC-Fr
Molecular Wt:	Predicted band size: 131 kDa
Description：	Nitric oxide (NO) has a broad range of biological activities and has been implicated in signaling pathways in phylogenetically diverse species. Nitric oxide synthases (NOSs), the enzymes responsible for synthesis of NO, contain an N-terminal oxygenase domain and a Cterminal reductase domain. NOS activity requires homodimerization as well as three cosubstrates (L-arginine, NADPH and O2) and five cofactors or prosthetic groups (FAD, FMN, calmodulin, tetrahydrobiopterin and heme). Several distinct NOS isoforms have been described and been shown to represent the products of three distinct genes. These include two constitutive Ca2+/CaM-dependent forms of NOS, including NOS1 (also designated ncNOS) whose activity was first identified in neurons, and NOS3 (also designated ecNOS), first identified in endothelial cells. The inducible form of NOS, NOS2 (also designated iNOS), is Ca2+-independent and is expressed in a broad range of cell types.
Immunogen:	Synthetic peptide within human iNOS aa 1,104-1,153 / 1,153.
Positive control:	RAW264.7 treated with 1μg/mL LPS for 24 hours whole cell lysate, RAW264.7 whole cell lysate, HeLa cell lysate, A549 cell lysate, A549, LOVO.
Subcellular location:	Cytoskeleton, Nucleus, Cytosol.
Database links:	SwissProt: P35228 Human | P29477 Mouse
Recommended Dilutions:	
WB: 1:2000-1:5000；IF-cell ：1:50-1:200； FC：1:1000；IHC-Fr：1：100	
Storage Buffer:	1*PBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.
Storage Instruction:	Shipped at 4℃. Store at +4℃ short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20℃ long term.
Purity:	Immunogen affinity purified.

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