

iNOS (Phospho-Tyr151) Antibody

Catalog No: #11766

Package Size: #11766-1 50ul #11766-2 100ul

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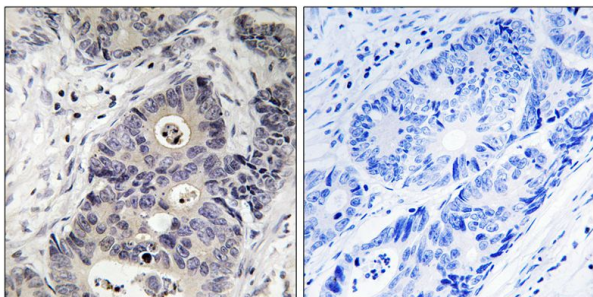
Description

Product Name	iNOS (Phospho-Tyr151) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of Inos only when phosphorylated at tyrosine 151.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 151(Q-Y-Y(p)-G-S) derived from Human iNOS .
Target Name	iNOS
Modification	Phospho-Tyr151
Other Names	HEP-NOS; NOS2; inducible;
Accession No.	Swiss-Prot#: P35228; NCBI Gene#: 4843; NCBI Protein#: NP_000616.3.
SDS-PAGE MW	131kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using Inos (Phospho-Tyr151) antibody #11766 (left) or the same antibody preincubated with blocking peptide (right).

Background

Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In macrophages, NO mediates tumoricidal and bactericidal actions. Also has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such COX2.

Geller D.A., Proc. Natl. Acad. Sci. U.S.A. 90:3491-3495(1993).

Sherman P.A., Biochemistry 32:11600-11605(1993).

Charles I.G., Proc. Natl. Acad. Sci. U.S.A. 90:11419-11423(1993).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.