

iNOS (Phospho-Tyr151) Antibody

Catalog No: #12067

Package Size: #12067-1 50ul #12067-2 100ul

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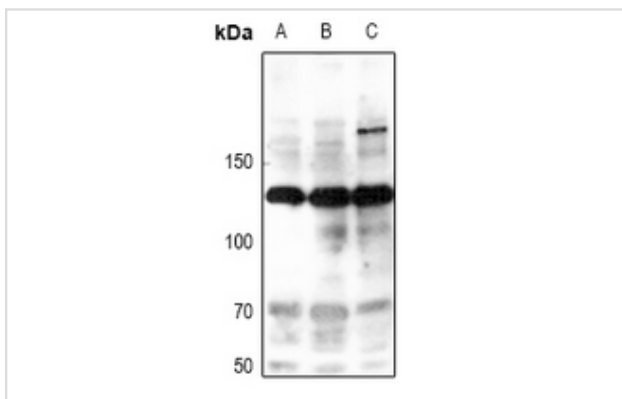
Description

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	WB, IH, ELISA
Species Reactivity	Hu Rt
Specificity	The antibody detects endogenous level 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
Other Names	NOS, INOS, NOS2A, HEP-NOS
Accession No.	Swiss-Prot#: P35228; NCBI Gene#: 4843; NCBI Protein#: NP_000616.3
Uniprot	P35228
GeneID	4843;
SDS-PAGE MW	130kd
Concentration	1.0mg/ml
Formulation	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20°C/1 year

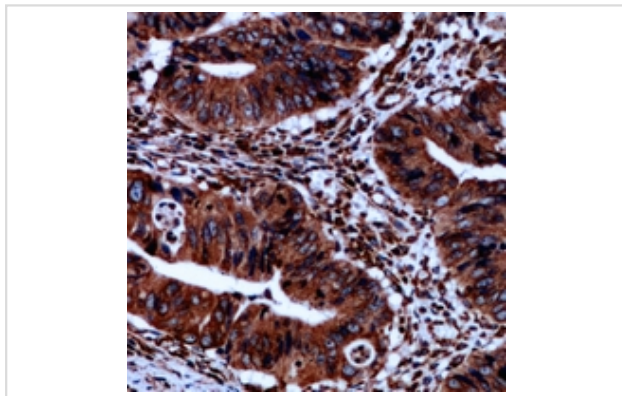
Application Details

WB (1/500 - 1/1000), IH (1/50 - 1/100)

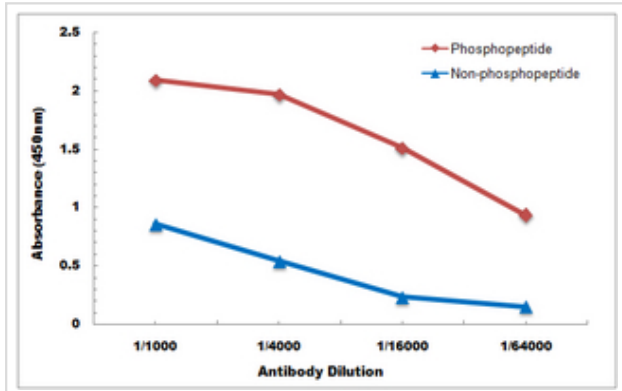
Images



Western blot analysis of iNOS (pY151) expression in HeLa (A), Jurkat (B), MCF7 (C) whole cell lysates.



Immunohistochemical analysis of iNOS (pY151) staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Direct ELISA antibody dose-response curve using Anti-iNOS (pY151) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

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.

Note: This product is for in vitro research use only