

Product datasheet for TA336918

iNOS (NOS2) Mouse Monoclonal Antibody [Clone ID: 4E5]

Product data:

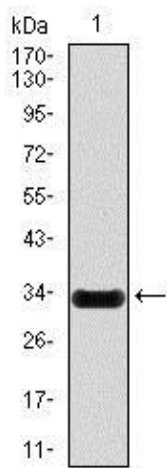
Product Type:	Primary Antibodies
Clone Name:	4E5
Applications:	ELISA, FC, IHC, WB
Recommend Dilution:	WB: 1:500-1:2000, ELISA: 1:10000, FC: 1:200-1:400, IHC-P: 1:200-1:1000
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human iNOS expressed in E. coli. [UniProt# P35228]
Formulation:	PBS, 0.03% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	1 mg/ml
Purification:	Ammonium sulfate precipitation
Predicted Protein Size:	131 kDa
Gene Name:	nitric oxide synthase 2
Database Link:	NP_000616 Entrez Gene 18126 MouseEntrez Gene 4843 Human
Background:	Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17.
Synonyms:	HEP-NOS; INOS; NOS; NOS2A
Note:	This iNOS (4E5) antibody is useful for Western blot, Immunohistochemistry on paraffin-embedded sections, Flow Cytometry and ELISA.
Protein Families:	Druggable Genome



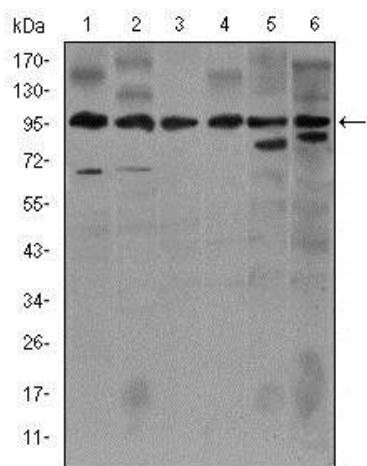
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Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Arginine and proline metabolism, Calcium signaling pathway, Long-term depression, Metabolic pathways, Pathways in cancer, Small cell lung cancer

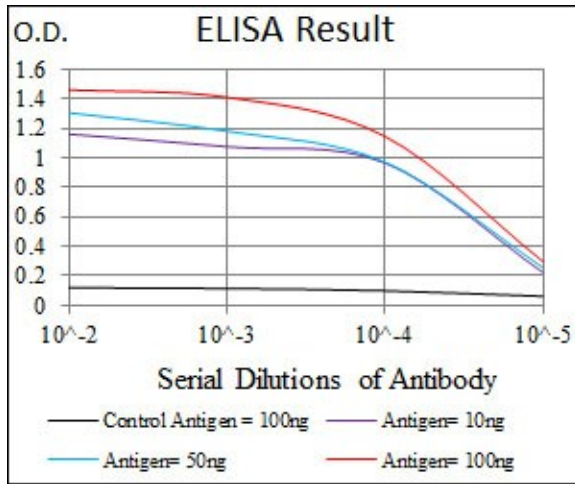
Product images:



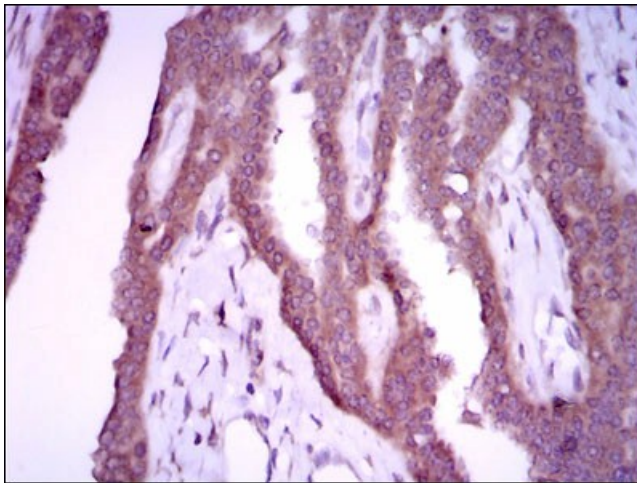
Western Blot: iNOS Antibody (4E5) TA336918 - Western blot analysis using iNOS mAb against human iNOS (AA: 997-1058) recombinant protein. (Expected MW is 32.6 kDa)



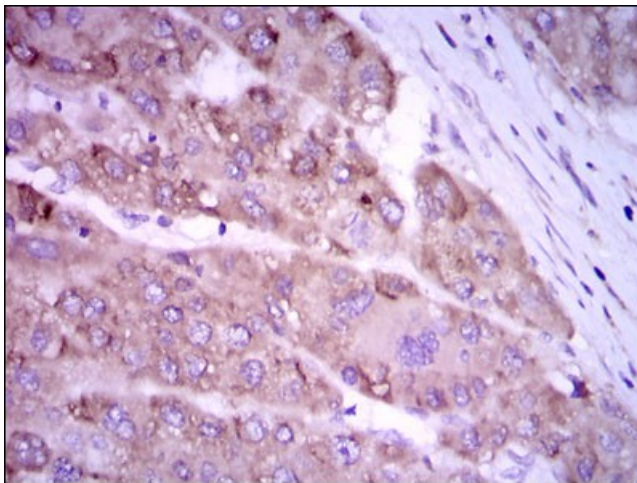
Western Blot: iNOS Antibody (4E5) TA336918 - Western blot analysis using iNOS mouse mAb against Jurkat (1), Jurkat (2), A549 (3), HeLa (4), NIH3T3 (5) and MCF-7 (6) cell lysate.



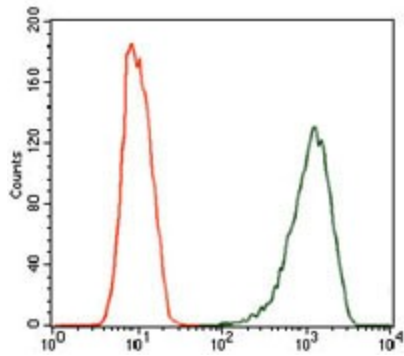
ELISA: iNOS Antibody (4E5) TA336918 - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng).



Immunohistochemistry-Paraffin: iNOS Antibody (4E5) TA336918 - Immunohistochemical analysis of paraffin-embedded breast cancer tissues using iNOS mouse mAb with DAB staining.



Immunohistochemistry-Paraffin: iNOS Antibody (4E5) TA336918 - Immunohistochemical analysis of paraffin-embedded liver cancer tissues using iNOS mouse mAb with DAB staining.



Flow Cytometry: iNOS Antibody (4E5) TA336918 - Flow cytometric analysis of MCF-7 cells using iNOS mouse mAb (green) and negative control (red).