

Product datasheet for **TA336799**

eNOS (NOS3) Mouse Monoclonal Antibody [Clone ID: 6H2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6H2
Applications:	ELISA, IHC, WB
Recommended Dilution:	Immunohistochemistry-Paraffin: 1:100, Immunohistochemistry: 1:100, Western Blot: 2 ug/ml, ELISA: 1:10000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human eNOS expressed in E. coli. [UniProt# P29474]
Formulation:	PBS, 0.03% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Ammonium sulfate precipitation
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	133 kDa
Gene Name:	nitric oxide synthase 3
Database Link:	NP_000594 Entrez Gene 4846 Human P29474
Background:	eNOS (Endothelial nitric-oxide synthase), also known as NOS3, it is an important enzyme in the cardiovascular system. It is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. Nitric oxide is synthesized from L-arginine by nitric oxide synthases. Variations in this gene are associated with susceptibility to coronary spasm.



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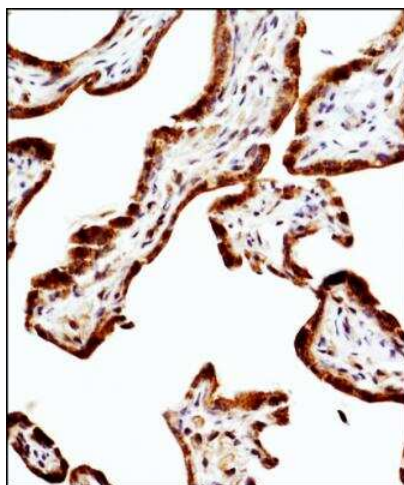
Synonyms: ECNOS; eNOS

Note: This eNOS (6H2) antibody is useful for Western blot, Immunohistochemistry on paraffin-embedded sections and ELISA.

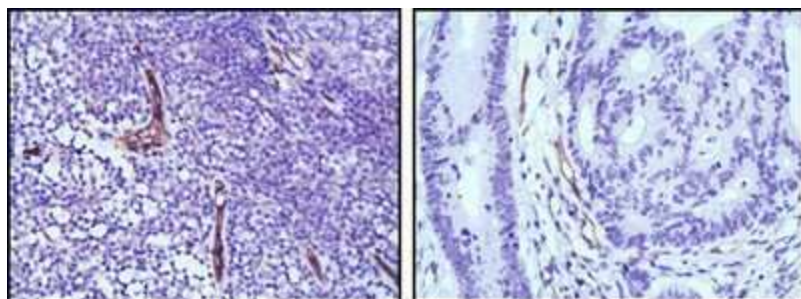
Protein Families: Druggable Genome

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, VEGF signaling pathway

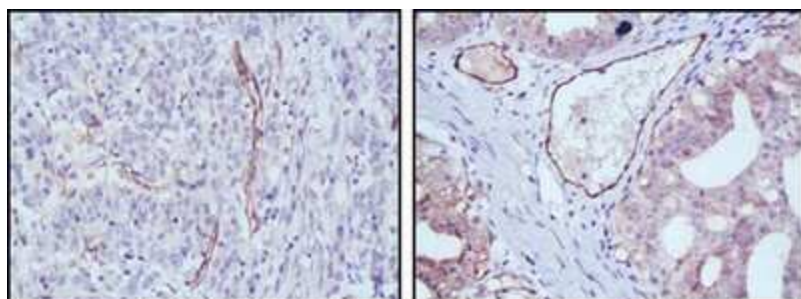
Product images:



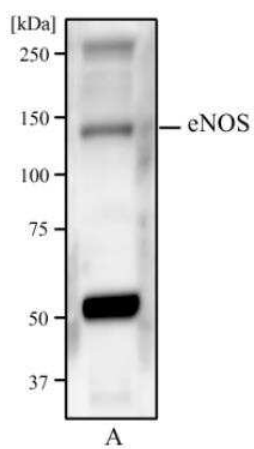
Immunohistochemistry-Paraffin: eNOS Antibody (6H2) TA336799 - IHC staining of eNOS in human placenta using DAB with hematoxylin counterstain.



Immunohistochemistry-Paraffin: eNOS Antibody (6H2) TA336799 - Immunohistochemical analysis of paraffin-embedded human lymph node (left) and colon cancer (right) tissues using eNOS mouse mAb with DAB staining.



Immunohistochemistry-Paraffin: eNOS Antibody (6H2) TA336799 - Immunohistochemical analysis of paraffin-embedded human stomach cancer (left) and ovary cancer (right) tissues using eNOS mouse mAb with DAB staining.



Western Blot: eNOS Antibody (6H2) TA336799 - Western blot analysis of HUVEC cells (A) using eNOS antibody at a concentration of 2 ug/ml.