

Rabbit anti-Human eNOS Monoclonal Antibody | anti-NOS3 antibody

eNOS Rabbit mAb

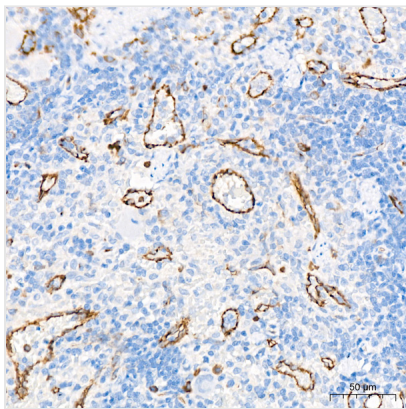
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28545	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

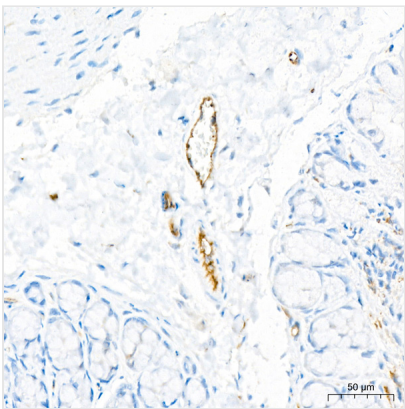
eNOS; Monoclonal Antibody; eNOS Rabbit mAb; ECNOS; anti-NOS3 antibody

PRODUCT SPECIFICATIONS

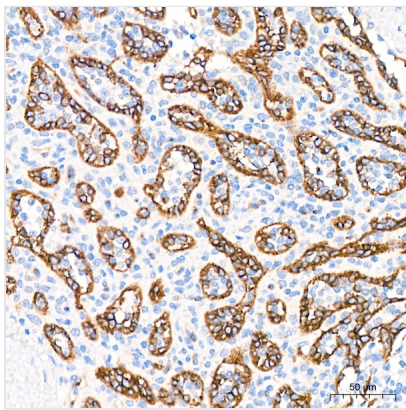
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	KGLQPTPMTL VFGCRCSQLD HLYRDEVQNA QQRGVFGRVL TAFSREPDNP KTYVQDILRT ELAAEVHRVL CLERGH
Applicable Applications for anti-NOS3 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 1:1000-1:2000 IHC-P: 1:200-1:2000 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1035-1110 of human eNOS (NP_000594.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



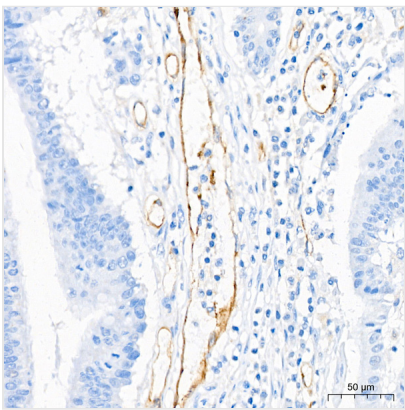
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using eNOS Rabbit mAb (AAA28545) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



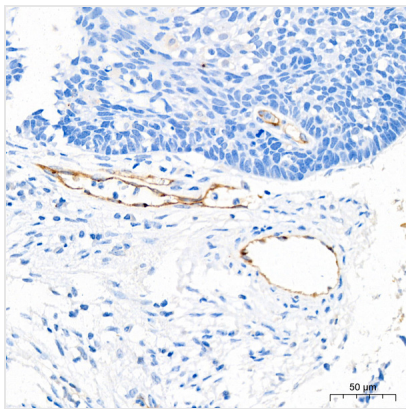
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using eNOS Rabbit mAb (AAA28545) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



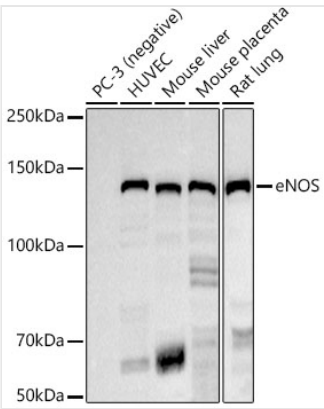
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using eNOS Rabbit mAb (AAA28545) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using eNOS Rabbit mAb (AAA28545) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using eNOS Rabbit mAb (AAA28545) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



WB (Western Blot)
Western blot analysis of various lysates using eNOS Rabbit mAb (AAA28545) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-NOS3 antibody	Nitric oxide 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. Alternative splicing and the use of alternative promoters results in multiple transcript variants.
Product Categories/Family for anti-NOS3 antibody	Protein phosphorylation; Cancer; Signal Transduction; PI3K-Akt Signaling Pathway; Cell Biology Developmental Biology; Endocrine Metabolism; AMPK Signaling Pathway; Neuroscience; Cardiovascular; Angiogenesis; Blood; Hypoxia; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254422
NCBI GeneID	4846
NCBI Accession #	NP_000594.2
NCBI GenBank Nucleotide #	NM_000603.4
UniProt Accession #	P29474; Q13662; Q14251; Q14434; Q548C1; Q6GSL5; Q9UDC6; A0S0A7; A0S0A8; A8KA63; B2RCQ1; E9PFR2
Molecular Weight	Calculated MW: 133kDa Observed MW: 148kDa
UniProt Protein Name	Nitric oxide synthase, endothelial
UniProt Gene Name	NOS3
UniProt Synonym Gene Names	cNOS; eNOS; NOSIII
UniProt Entry Name	NOS3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.