

## Rabbit anti-Human NOS2 Polyclonal Antibody | anti-NOS2 antibody

NOS2 antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA201148 | Rabbit | Human      | Western Blot, Immunohistochemistry |

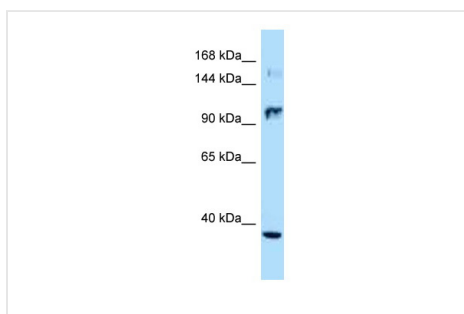
### PRODUCT SYNONYMS

NOS2; Polyclonal Antibody; NOS2 antibody - N-terminal region; anti-NOS2 antibody

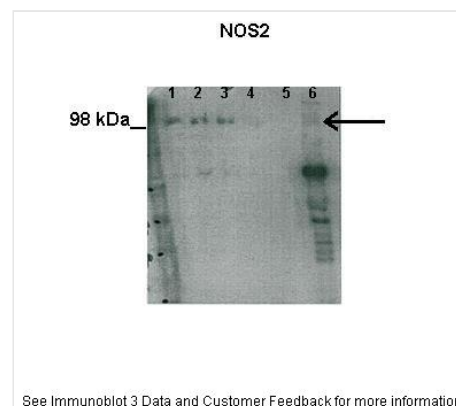
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Human                                                                                                                                                 |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following region: PC ATSSPVTQDD LQYHNLSKQQ NESQPPLVET GKKSPESLVK LDATPLSS                                                  |
| Sequence Length                                | 997                                                                                                                                                   |
| Applicable Applications for anti-NOS2 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                         |
| Homology                                       | Human: 100%                                                                                                                                           |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

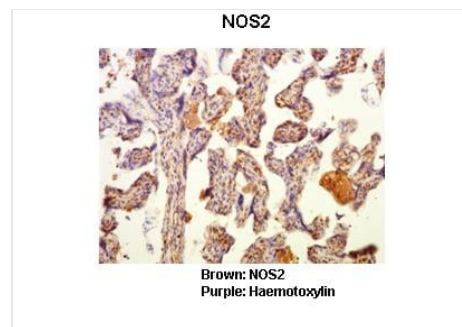
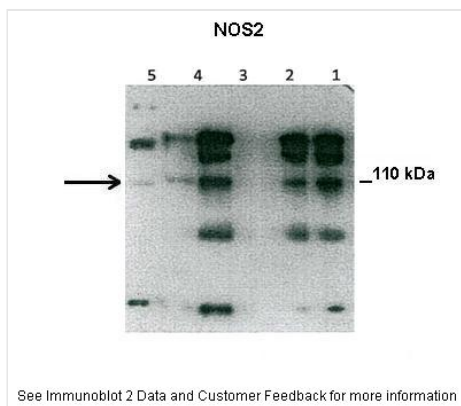
### IMAGES


**WB (Western Blot)**

WB Suggested Anti-NOS2 Antibody Titration: 1.0 ug/ml Positive Control: Jurkat Whole Cell


**WB (Western Blot)**

Researcher: Hiten Mistry, Ania Czajka and Marta Hentschke Ribeiro, King's College London  
 Application: Western blotting  
 Species+ tissue/cell type: Human placental and myometrial tissue lysate  
 How many ug's of tissue/cell lysate run on the gel: 1: 50 ug human placental tissue lysate  
 2: 40 ug human placental tissue lysate  
 3: 30 ug human placental tissue lysate  
 4: 20 ug human placental tissue lysate  
 5: 10 ug human placental tissue lysate  
 6: 20 ug human myometrial tissue lysate  
 Primary antibody dilution: 1:500  
 Secondary antibody: Goat anti-rabbit HRP  
 Secondary antibody dilution: 1:10000

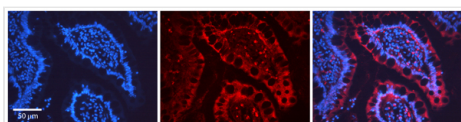


#### IHC (Immunohistochemistry)

Sample Type :Human placental tissue Primary Antibody Dilution :1:50Secondary Antibody :Goat anti rabbit-HRP Secondary Antibody Dilution :1:10,000Color/Signal Descriptions :Brown: NOS2Purple: HaematoxylinGene Name :NOS2Submitted by :Dr. Hiten D. Mistry and Anna Czajka, King's College London; Lesia Kurlak, University of Nottingham

#### WB (Western Blot)

Lanes:Lane1: 30 ug human placental tissue lysateLane2: 30 ug human placental tissue lysateLane3: 30 ug human placental tissue lysateLane4: 30 ug human placental tissue lysateLane5: 20 ug human myometrial tissue lysatePrimary Antibody Dilution:1:500Secondary Antibody:Goat anti-rabbit HRPSecondary Antibody Dilution:1:10000Gene Name:Nitric oxide synthase 2, inducible (NOS2)Submitted by:Hiten Mistry, Ania Czajka and Marta Hentschke Ribeiro, King's College London



#### IHC (Immunohistochemistry)

Rabbit Anti-NOS2 AntibodyFormalin Fixed Paraffin Embedded Tissue: Human Appendix (Colon) TissueObserved Staining: CytoplasmPrimary Antibody Concentration: 1:100Other Working Concentrations: N/ASecondary Antibody: Donkey anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification: 20XExposure Time: 0.5 - 2.0 sec

## ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NOS2 antibody | <p>This is a rabbit polyclonal antibody against NOS2. It was validated on Western Blot</p> <p>Target Description: 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.</p> |
| Product Categories/Family for anti-NOS2 antibody   | <p>Polyclonal; Cancer; Neurobiology; Drugs and Drug Metabolism; Disease Related; Hypoxia; Microbiology</p>                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| NCBI GI #                        | 119571433                                                        |
| NCBI GeneID                      | 4843                                                             |
| NCBI Accession #                 | EAW51048                                                         |
| NCBI GenBank Nucleotide #        | NM_000625                                                        |
| UniProt Accession #              | P35228                                                           |
| Molecular Weight                 | 110kDa                                                           |
| NCBI Official Full Name          | nitric oxide synthase 2A (inducible, hepatocytes), isoform CRA_a |
| NCBI Official Synonym Full Names | nitric oxide synthase 2                                          |
| NCBI Official Symbol             | NOS2                                                             |
| NCBI Official Synonym Symbols    | NOS; INOS; NOS2A; HEP-NOS                                        |

|                            |                                     |
|----------------------------|-------------------------------------|
| NCBI Protein Information   | nitric oxide synthase, inducible    |
| UniProt Protein Name       | Nitric oxide synthase, inducible    |
| UniProt Gene Name          | <b>NOS2</b>                         |
| UniProt Synonym Gene Names | NOS2A; HEP-NOS; Inducible NOS; iNOS |
| UniProt Entry Name         | NOS2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nos2-antibody-western-blot-immunohistochemistry-elisa/201148>