Rabbit polyclonal antibody to human Nitric Oxide Synthase 2 (1110-1124): Affinity purified

Catalogue No.:	R-1715-100
Description:	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Nitric oxide synthase (NOS) catalyses the formation of nitric oxide, an important messenger molecule in functions such as homeostasis and synaptic plasticity. NOS is classified into three types: (1) neuronal NOS (nNOS) or brain NOS (bNOS) (2) inducible NOS (iNOS) or macrophage NOS (mNOS) and (3) endothelial NOS (eNOS). In microglia, NOS2 expression is linked to microglial activation observed in inflammatory conditions.
Batch No.:	See product label
Unit size:	100 Âµg
Antigen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Nitric Oxide Synthase 2 (1110-1124 aa).
Other Names:	Nitric oxide synthase; inducible; inducible NO synthase; Inducible NOS; iNOS; NOS type II; Hepatocyte NOS; HEP-NOS; NOS2; NOS2A;
Accession:	P35228 NOS2_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Western Blotting (WB). A concentration of 0.1-0.5 Âµg/ml is recommended for WB. Human NOS2 has a predicted length of 1,153 residues and MW of 131 kDa. A concentration of 0.5-1 Âµg/ml is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is required by boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20 mins. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB in human and rat.
Cross-reactivity:	(WB) Human; rat; (IHC) Human; predicted to react with mouse due to sequence homology;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3
Reconstitution:	Reconstitute in 100 Âµl of sterile distilled water to achieve an antibody concentration of 1 mg/ml. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2 - 4Â°C (lyophilized formulations). After reconstitution, aliquot and store at -20Â°C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase

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