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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NOS3 monoclonal antibody (M04), clone 1D12

Catalog # : H00004846-M04

規格 : [100 ug]

[List All](#)

Specification

Product Description: Mouse monoclonal antibody raised against a partial recombinant NOS3.

Immunogen: NOS3 (AAH63294.1, 61 a.a. ~ 160 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

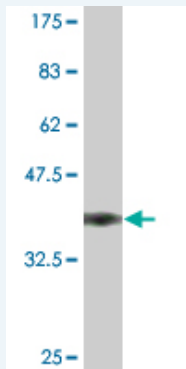
Sequence: QPPEGPKFPRVKNWEVGSITYDTLSAQAQQDGPCTPRRCLGSLVFPRK
LQGRPSPGPPAPEQLLSQARDFINQYSSIKRSGSQAHEQRLQEVEAEV
AAT

Host: Mouse

Reactivity: Human

Isotype: IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.63 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

Western Blot (Recombinant protein)

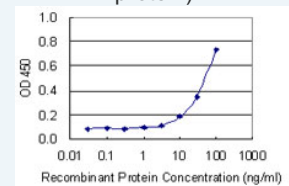
[Protocol Download](#)

Sandwich ELISA (Recombinant protein)

Application Image

Western Blot (Recombinant protein)

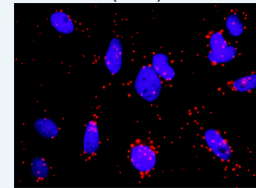
Sandwich ELISA (Recombinant protein)



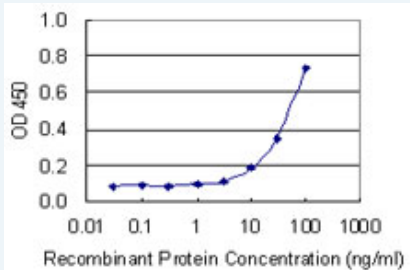
[enlarge](#)

ELISA

In situ Proximity Ligation Assay (Cell)



[enlarge](#)

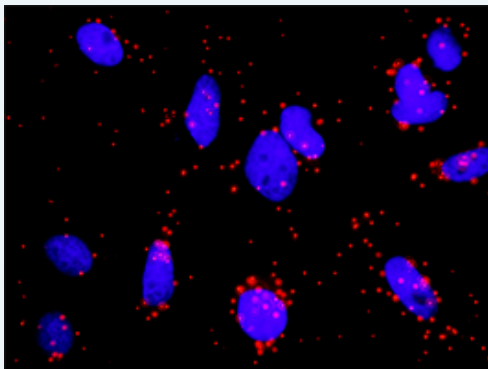


Detection limit for recombinant GST tagged NOS3 is 3 ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

In situ Proximity Ligation Assay (Cell)



Proximity Ligation Analysis of protein-protein interactions between AKT1 and NOS3. HeLa cells were stained with anti-AKT1 rabbit purified polyclonal 1:1200 and anti-NOS3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Information

Entrez GeneID: [4846](#)

GeneBank Accession#: [BC063294](#)

Protein Accession#: [AAH63294.1](#)

Gene Name: NOS3

Gene Alias: ECNOS,eNOS

Gene Description: nitric oxide synthase 3 (endothelial cell)

Omim ID: [104300](#), [145500](#), [163729](#), [189800](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations: endothelial nitric oxidase synthase, endothelial nitric oxide synthase

Gene Pathway

[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](#)

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