

Product datasheet for **TA813512S**

iNOS (NOS2) Mouse Monoclonal Antibody [Clone ID: OTI1A1]

Product data:

| | |
|--------------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI1A1 |
| Applications: | WB |
| Recommended Dilution: | WB 1:1000 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 539-970 of human Nos2 (NP_000616) produced in E.coli. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 130.9 kDa |
| Gene Name: | nitric oxide synthase 2 |
| Database Link: | NP_000616 Entrez Gene 4843 Human P35228 |
| Background: | 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. [provided by RefSeq, Jul 2008]. |



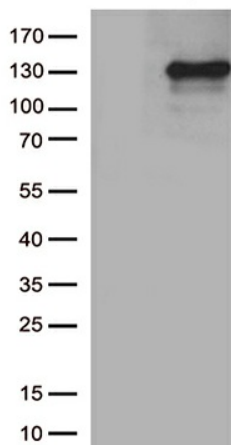
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Synonyms: HEP-NOS; INOS; NOS; NOS2A

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

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NOS2 ([RC211819], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NOS2.(1:1000)