

Datasheet for ABIN1531354
anti-NOS1 antibody (pSer852)



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3 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | NOS1 |
| Binding Specificity: | AA 818-867, pSer852 |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NOS1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF) |

Product Details

| | |
|---------------|---|
| Immunogen: | The antiserum was produced against synthesized peptide derived from human n-NOS around the phosphorylation site of Ser852. |
| Isotype: | IgG |
| Specificity: | n-NOS (Phospho-Ser852) Antibody detects endogenous levels of n-NOS only when phosphorylated at Ser852. PhosphorylationH:S852 M:S847 R:S847 |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Purity: | > 95 % |

Target Details

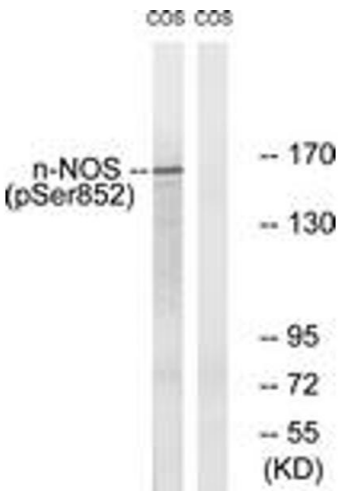
| | |
|-------------------|--|
| Target: | NOS1 |
| Alternative Name: | N-NOS (NOS1 Products) |
| Background: | Synonyms: bNOS, BNOS, Constitutive NOS, N-NOS, NC-NOS, Neuronal NOS, Nitric-oxide synthase, brain, NOS, type I, NOS1 NCBI Gene Symbol: NOS1 |
| Molecular Weight: | 160 kDa |
| Gene ID: | 4842 |
| OMIM: | 163731 |
| UniProt: | P29475 |
| Pathways: | Negative Regulation of Hormone Secretion, Myometrial Relaxation and Contraction |

Application Details

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|--------------------|--|
| Application Notes: | WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:1000 |
| Comment: | Unigene-Number: Hs.654410 (NCBI Gene Symbol: NOS1) |
| Restrictions: | For Research Use only |

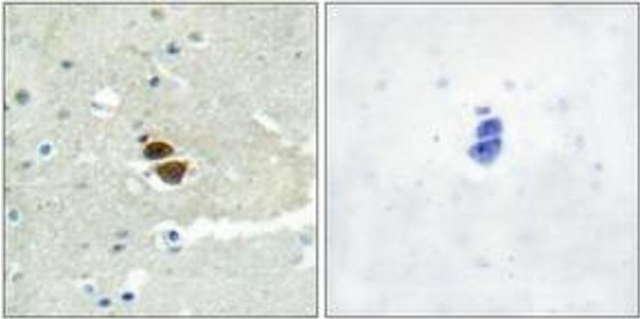
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Stable at -20°C for at least 1 year. |
| Expiry Date: | 12 months |



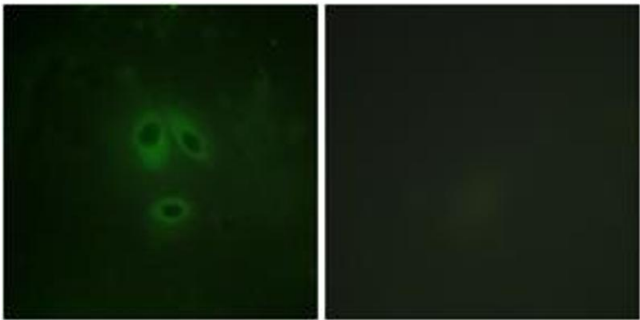
Western Blotting

Image 1. Western blot analysis of extracts from A549 cells, using n-NOS (Phospho-Ser852) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human brain, using n-NOS (Phospho-Ser852) Antibody. The picture on the right is treated with the synthesized peptide.



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells, using n-NOS (Phospho-Ser852) Antibody. The picture on the right is treated with the synthesized peptide.