

# Product Datasheet

## **nNOS Antibody (ST520) NBP2-67532**

Unit Size: 100  $\mu$ l

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-67532**

nNOS Antibody (ST520)

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	ST520
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	TBS (pH7.4), 0.05% BSA, 40% Glycerol

**Product Description**

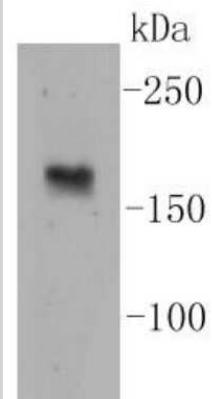
<b>Host</b>	Rabbit
<b>Gene Symbol</b>	NOS1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Synthetic peptide within Human nNOS aa 1398-1434 / 1434. (SwissProt: P29475 Human; SwissProt: Q9Z0J4 Mouse; SwissProt: P29476 Rat)

**Product Application Details**

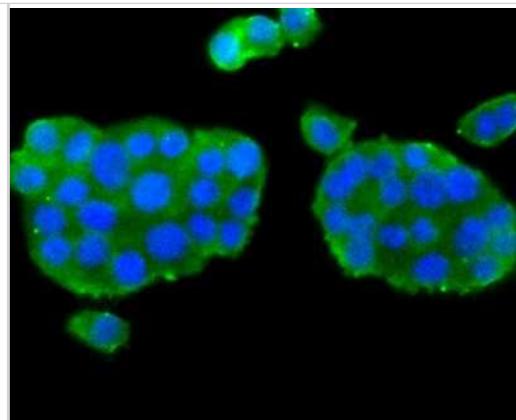
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

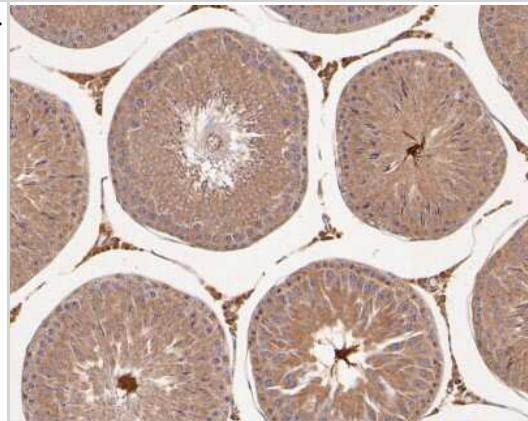
Western Blot: nNOS Antibody (ST520) [NBP2-67532] - Analysis of nNOS on mouse heart lysates using anti-nNOS antibody at 1/1,000 dilution.



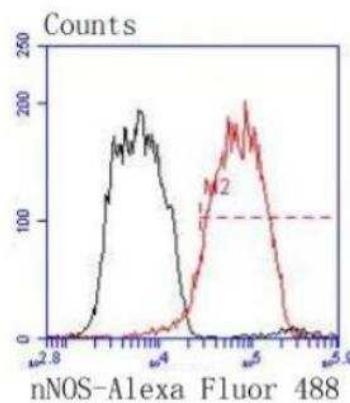
Immunocytochemistry/Immunofluorescence: nNOS Antibody (ST520) [NBP2-67532] - Staining nNOS in PC-12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



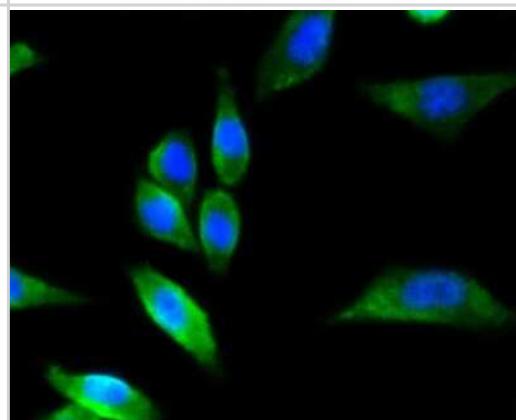
Immunohistochemistry-Paraffin: nNOS Antibody (ST520) [NBP2-67532] - Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-nNOS antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (ET1609-61, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



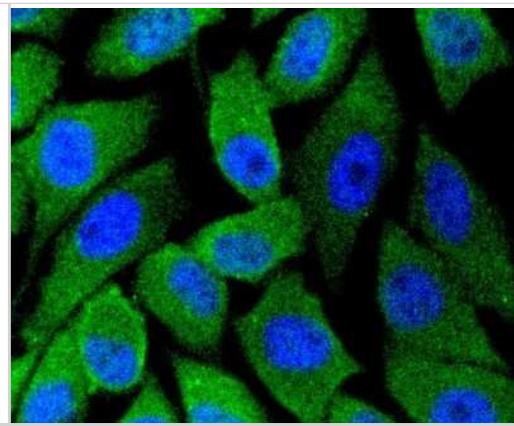
Flow Cytometry: nNOS Antibody (ST520) [NBP2-67532] - Analysis of PC-12 cells with nNOS antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



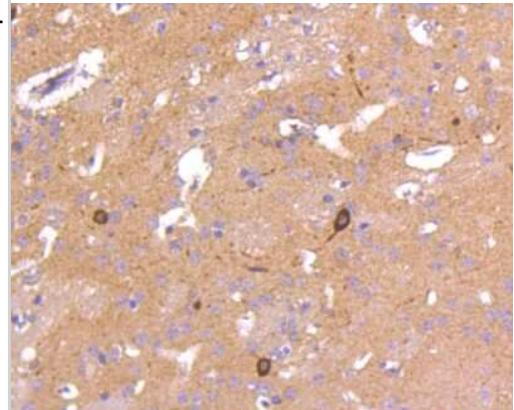
Immunocytochemistry/Immunofluorescence: nNOS Antibody (ST520) [NBP2-67532] - Staining nNOS in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



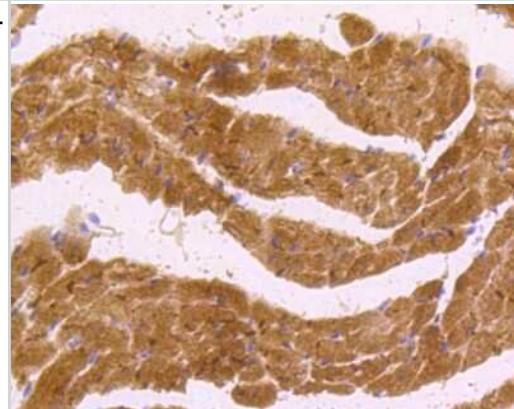
Immunocytochemistry/Immunofluorescence: nNOS Antibody (ST520) [NBP2-67532] - Staining nNOS in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



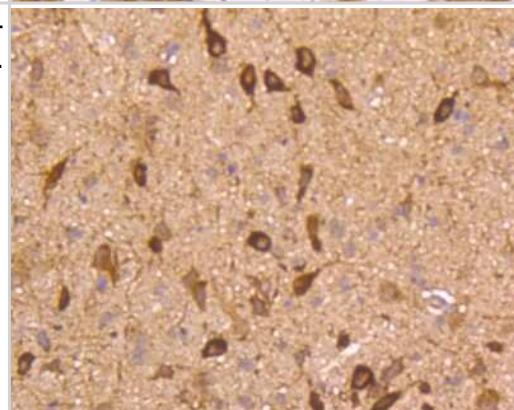
Immunohistochemistry-Paraffin: nNOS Antibody (ST520) [NBP2-67532] - Analysis of paraffin-embedded mouse brain tissue using anti-nNOS antibody. Counter stained with hematoxylin.



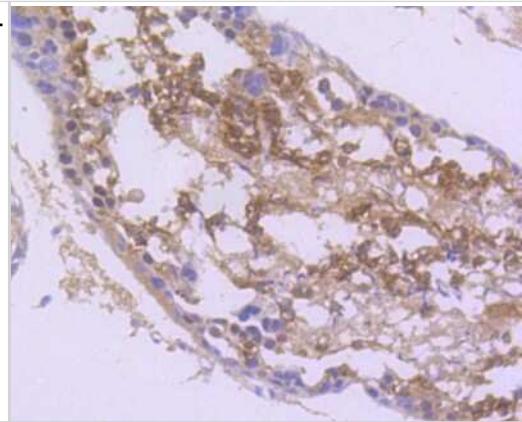
Immunohistochemistry-Paraffin: nNOS Antibody (ST520) [NBP2-67532] - Analysis of paraffin-embedded mouse heart tissue using anti-nNOS antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: nNOS Antibody (ST520) [NBP2-67532] - Analysis of paraffin-embedded rat brain tissue using anti-nNOS antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: nNOS Antibody (ST520) [NBP2-67532] - Analysis of paraffin-embedded rat testis tissue using anti-nNOS antibody. Counter stained with hematoxylin.





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## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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