

Anti-p95/NBS1 NBN Rabbit Monoclonal Antibody

Catalog Number: M00732

About NBN

Dynamin-related GTPase required for mitochondrial fusion and regulation of apoptosis. May form a diffusion barrier for proteins stored in mitochondrial cristae. Proteolytic processing in response to intrinsic apoptotic signals may lead to disassembly of OPA1 oligomers and release of the caspase activator cytochrome C (CYCS) into the mitochondrial intermembrane space.

Overview

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|----------------------|--|
| Product Name | Anti-p95/NBS1 NBN Rabbit Monoclonal Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-p95/NBS1 NBN Rabbit Monoclonal Antibody catalog # M00732. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |
| Application | Flow Cytometry, IP, IF, IHC, ICC, WB |
| Clonality | Monoclonal COF-14 |
| Formulation | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA. |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | O60934 |

Technical Details

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|---------------------|--|
| Immunogen | A synthesized peptide derived from human p95/NBS1 |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure. |
| Purification | Affinity-chromatography |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: |

| | |
|--|---|
| | WB 1:1000-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50 |
|--|---|

Anti-p95/NBS1 NBN Rabbit Monoclonal Antibody (M00732) Images

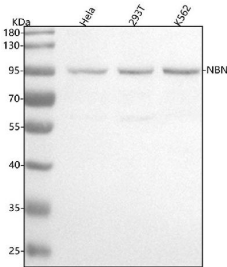


Figure 1. Western blot analysis of NBN using anti-NBN antibody (M00732).

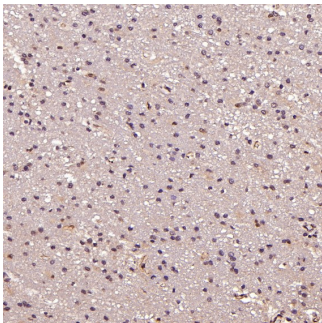
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HeLa whole cell lysates,

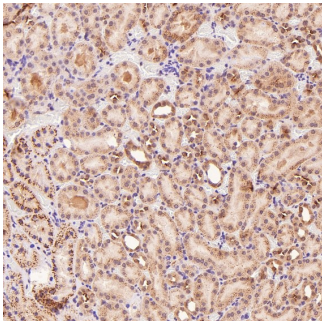
Lane 2: human 293T whole cell lysates,

Lane 3: human K562 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NBN antigen affinity purified monoclonal antibody (Catalog # M00732) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for NBN at approximately 95 kDa. The expected band size for NBN is at 85 kDa.

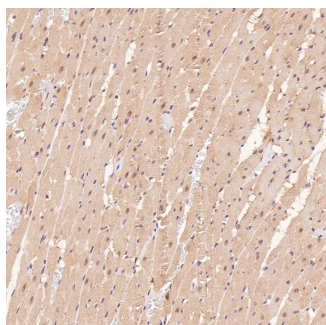
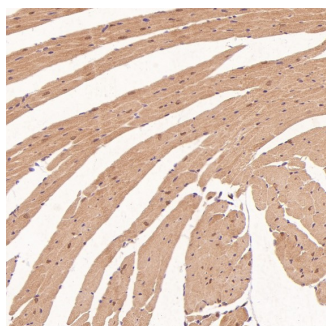


Immunohistochemical analysis of paraffin-embedded Human glioblastoma, using the Antibody at 1:100 dilution.

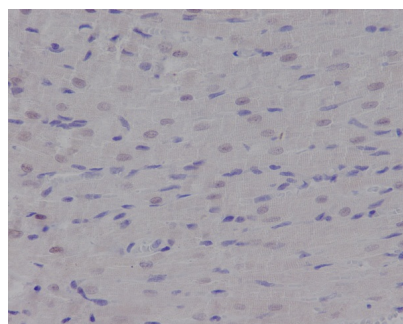


Immunohistochemical analysis of paraffin-embedded Rat kidney, using the Antibody at 1:100 dilution.

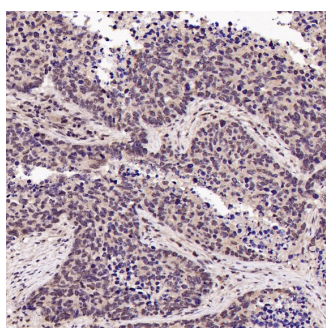
Immunohistochemical analysis of paraffin-embedded Mouse heart, using the Antibody at 1:100 dilution.



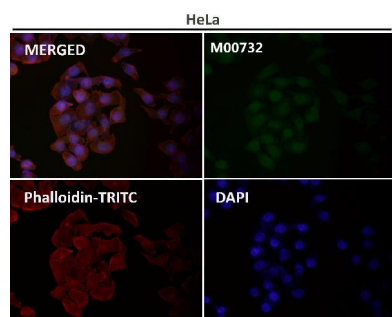
Immunohistochemical analysis of paraffin-embedded Rat heart, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded rat heart, using p95/NBS1 Antibody.



Immunohistochemical analysis of paraffin-embedded Human lung large cell cancer, using the Antibody at 1:100 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

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