

## Rabbit Rabies virus Nucleoprotein Polyclonal Antibody | anti-N antibody

Rabbit anti-Rabies virus Nucleoprotein polyclonal Antibody, Biotin conjugated

|                               |                       |                                   |                              |
|-------------------------------|-----------------------|-----------------------------------|------------------------------|
| CATALOG #<br><b>AAA117847</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Rabies virus</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|-----------------------|-----------------------------------|------------------------------|

### PRODUCT SYNONYMS

Rabies virus Nucleoprotein; Polyclonal Antibody; Rabbit anti-Rabies virus Nucleoprotein polyclonal Antibody; Biotin conjugated; NP; Nucleocapsid protein; Protein N; N; anti-N antibody

### PRODUCT SPECIFICATIONS

|                                             |                                                                                                                |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                        | Rabbit                                                                                                         |
| Reactivity                                  | Rabies virus                                                                                                   |
| Clonality                                   | Polyclonal                                                                                                     |
| Isotype                                     | IgG                                                                                                            |
| Purity/Purification                         | Caprylic Acid Ammonium Sulfate Precipitation Purified                                                          |
| Sequence Length                             | 450                                                                                                            |
| Applicable Applications for anti-N antibody | ELISA                                                                                                          |
| Storage Buffer                              | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                               |
| Conjugate                                   | Biotin                                                                                                         |
| Immunogen                                   | Recombinant Rabies virus Nucleoprotein protein                                                                 |
| Preparation and Storage                     | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-N antibody | Encapsidates the genome in a ratio of one protein N per nine ribonucleotides, protecting it from nucleases. If expressed without protein P it binds non-specifically RNA and therefore can bind it's own mRNA. Interaction with protein P abolishes any non-specific RNA binding, and prevents phosphorylation. The soluble N-P complex encapsidates specifically the genomic RNA, with protein N protecting the genome like a pearl necklace. The encapsidated genomic RNA is termed the nucleocapsid (NC) and serves as template for viral transcription and replication. Protein N binds protein P in the NC through a different interaction, and can be phosphorylated. Subsequent viral replication is dependent on intracellular concentration of newly synthesized protein N. During replication, encapsidation by protein N is coupled to RNA synthesis and all replicative products are resistant to nucleases |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                         |                |
|-------------------------|----------------|
| NCBI GI #               | 152031643      |
| UniProt Accession #     | P15197; Q4F903 |
| Molecular Weight        | 50,748 Da      |
| NCBI Official Full Name | Nucleoprotein  |

|                            |               |
|----------------------------|---------------|
| UniProt Protein Name       | Nucleoprotein |
| UniProt Gene Name          | <b>N</b>      |
| UniProt Synonym Gene Names | NP; Protein N |
| UniProt Entry Name         | NCAP_RABVA    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rabies-virus-nucleoprotein-antibody-elisa/117847>