

Rabbit Anti-RSV N antibody

SL10207R

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| Product Name | RSV N |
| Chinese Name | 呼吸道合胞病毒核蛋白抗体 |
| Alias | Respiratory syncytial virus nucleoprotein; N; NCAP_HRSVA; Nucleoprotein; Protein N; Nucleocapsid protein. |
| Research Area | immunology Bacteria and viruses |
| Immunogen Species | Rabbit |
| Clonality | Polyclonal |
| React Species | (predicted:Human respiratory syncytial virus A2) ELISA=1:5000-10000 |
| Applications | not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Theoretical molecular weight | 43kDa |
| Form | Liquid |
| Concentration | 1mg/ml |
| immunogen | KLH conjugated synthetic peptide derived from human Respiratory Syncytial Virus Nucleoprotein: 101-200/391 |
| Lsotype | IgG |
| Purification | affinity purified by Protein A |
| Buffer Solution | (predicted:Human respiratory syncytial virus A2)1M TBS(pH7.4) with 1% BSA, (predicted:Human respiratory syncytial virus A2)3% Proclin300 and 50% Glycerol. |
| Storage | Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| Attention | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| PubMed | PubMed |
| Product Detail | Respiratory syncytial virus (RSV) is a major cause of respiratory illness in young children. RSV infection produces a variety of signs and symptoms involving different areas of the respiratory tract, from the nose to the lungs. |

RSV is a negative sense, enveloped RNA virus. The virion is variable in shape and size with average diameter of between 120 and 300 nm.

Function:

Encapsidates the genome, protecting it from nucleases. The nucleocapsid (NC) has an helical structure. The encapsidated genomic RNA is termed the NC and serves as template for transcription and replication. During replication, encapsidation by protein N is coupled to RNA synthesis and all replicative products are resistant to nucleases.

Subunit:

Homomultimerizes to form the nucleocapsid. Binds to viral genomic RNA. In nucleocapsid, interacts with the protein P and thereby positions the polymerase on the template. Interacts with protein M2-1; this interaction allows the association of nucleocapsid with the matrix protein, supposedly to shut down virus transcriptase activity and initiate assembly and budding.

Subcellular Location:

Virion. Host cytoplasm.

Similarity:

Belongs to the paramyxoviruses nucleocapsid family.

SWISS:

P03418

Gene ID:

N/A

Database links:

<https://www.uniprot.org/uniprot/P03418>