bs-4976R **[Primary Antibody]**

H1N1 Nucleoprotein Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: H1N1 Nucleoprotein

Immunogen: KLH conjugated synthetic peptide derived from Influenza A virus H1N1 Nucleoprotein: 71-170/498.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Influenza A virus is a major public health threat. Novel influenza virus strains caused by genetic drift and viral recombination emerge periodically to which humans have little or no immunity, resulting in devastating pandemics. Influenza A can exist in a variety of animals; however it is in birds that all subtypes can be found. These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. During 1997, an H5N1 avian influenza virus was determined to be the cause of death in 6 of 18 infected patients in Hong Kong. There was some evidence of human to human spread of this virus, but it is thought that the transmission efficiency was fairly low. HA interacts with cell surface proteins containing oligosaccharides with terminal sialyl residues. Virus isolated from a human infected with the H5N1 strain in 1997 could bind to oligosaccharides from human as well as avian sources, indicating its species jumping ability.

Applications: **ELISA** (1:5000-10000)

Reactivity: (predicted: Influenza A virus)

Predicted MW.: 56 kDa

Subcellular Location: Cell membrane ,Cytoplasm

SELECTED CITATIONS

- **[IF=2.046]** Zhu J et al. (-)-Epigallocatechin-3-gallate induces interferon-λ2 expression to anti-influenza A virus in human bronchial epithelial cells (BEAS-2B) through p38 MAPK signaling ⋯ J Thorac Dis . 2020 Mar;12(3):989-997. WB ;human. 32274168
- **[IF=2.094]** Ren F et al. Platelet-derived growth factor-BB and epidermal growth factor promote dairy Goat spermatogonial stem cells proliferation via Ras/ERK1/2 signaling pathway. Theriogenology . 2020 Oct 1;155:205-212. ICC ;Goat. 32721699
- **[IF=1.785]** Qiuju Mouet al. EGCG induces β-defensin 3 against influenza A virus H1N1 by the MAPK signaling pathway. Exp Ther Med . 2020 Oct;20(4):3017-3024. WB ;Human. 32855668
- **[IF=0]** Perez, Daniel R., and Hongjun Chen. "METHODS AND COMPOSITIONS FOR IN VIVO IMMUNE STIMULATION AND ANTIGEN PRODUCTION." U.S. Patent No. 20,160,022,807. 28 Jan. 2016. IHC ;="Mouse". US Patent No20150335744