bs-23941R **[Primary Antibody]**

PRRSV-N protein Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: PRRSV-N protein

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: PRRSV is a small, enveloped RNA virus. It contains a single-stranded, positive-sense, RNA genome with a size of approximately 15 kilobases. The genome contains nine open reading frames. PRRSV is a member of the genus Arterivirus, family Arteriviridae, order Nidovirales. Subclinical infections are common, with clinical signs occurring sporadically in a herd. Clinical signs include reproductive failure in sows such as abortions and giving birth to stillborn or mummified fetuses, and cyanosis of the ear and vulva. In neonatal pigs, the disease causes respiratory distress, with increased susceptibility to respiratory infections such as Glasser's disease.

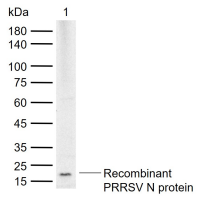
Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

Reactivity: PRRSV

Predicted MW.: 13 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: Recombinant PRRSV N protein, N-His(bs-41387P) Primary: Anti-PRRSV N (bs-23941R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 13.8 kDa Observed band size: 17 kDa

SELECTED CITATIONS

- **[IF=5.818]** Yanmei Wu. et al. IFIT3 and IFIT5 Play Potential Roles in Innate Immune Response of Porcine Pulmonary Microvascular Endothelial Cells to Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus. VIRUSES-BASEL. 2022 Sep;14(9):1919 WB ;Pig. 10.3390/v14091919
- **[IF=5.9]** Yuan Xu. et al. Zinc Oxide–Selenium Nanoparticles for Inhibiting the Proliferation of Porcine Reproductive and Respiratory Syndrome Virus. ACS APPL NANO MATER. 2024;XXXX(XXX):XXX-XXX IF ;Monkey. 10.1021/acsanm.3c05307
- **[IF=3.5]** Hou Jing. et al. Glucuronolactone improves lung injury caused by PRRSV and DON co-challenge by enhancing the Nrf2-mediated antioxidant capacity in weaning piglets. VET RES. 2025 Dec;56(1):1-19 IF,WB ;Pig. 40764596
- **[IF=3.7]** Kexin Chang. et al. Fuzhengjiedu San inhibits porcine reproductive and respiratory syndrome virus by activating the PI3K/AKT pathway. PLOS ONE. 2024 May;19(5):e0283728 WB ;Monkey. 38709810
- **[IF=3.5]** Chunhua Wei. et al. Characterization and Pathogenicity of a Porcine Reproductive and Respiratory Syndrome Virus Strain with Strong Homology to a HP-PRRSV Vaccine Strain in the Field. TRANSBOUND EMERG DIS. 2024

Jun;2024(1):1297975 IHC,IF ;Pig,Monkey. 10.1155/2024/1297975