bs-41387R **[Primary Antibody]**

PRRSV N Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: PRRSV N

Immunogen: Recombinant PRRSV N protein: 1-128/128.

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)

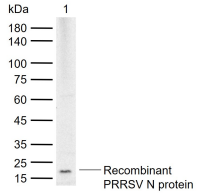
Reactivity: PRRSV

Predicted MW.: 13.8 kDa

Observed MW.: 17 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Lane 1: Recombinant PRRSV N protein, N-His(bs-41387P) Primary: Anti-PRRSV N (bs-41387R) 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=14.7]** Cui Zhanding. et al. High-throughput screening unveils nitazoxanide as a potent PRRSV inhibitor by targeting NMRAL1. NAT COMMUN. 2024 Jun;15(1):1-12 WB ;Monkey. 38844461
- **[IF=3.5]** Liujun Zhang. et al. Antibody-Dependent Enhancement of Porcine Reproductive and Respiratory Syndrome Virus Infection Antagonizes the Secretion of Type I Interferons in Porcine Alveolar Macrophages by Interfering with the Retinoic Acid-Inducible Gene I/Melanoma Differentiation-Associated Gene 5 Pathway via Fc Gamma Receptor I. VIRUSES-BASEL. 2025 Sep;17(9):1277 WB ;Porcine. 41012704
- **[IF=2.6]** Zhang Liujun. et al. Non-infectious immune complexes downregulate the production of interferons and tumor necrosis factor-α in primary porcine alveolar macrophages in vitro. FRONT VET SCI. 2024 Jun;11: WB ;Pig. 38962699