

**bs-2113R****[ Primary Antibody ]****BioSS**  
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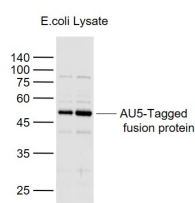
techsupport@bioss.com.cn

400-901-9800

**AU5 tag Rabbit pAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**Target:** AU5 tag**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:** Core protein packages viral RNA to form a viral nucleocapsid, and promotes virion budding. Modulates viral translation initiation by interacting with HCV IRES and 40S ribosomal subunit. Also regulates many host cellular functions such as signaling pathways and apoptosis. Prevents the establishment of cellular antiviral state by blocking the interferon-alpha/beta (IFN-alpha/beta) and IFN-gamma signaling pathways and by inducing human STAT1 degradation. Plays an important role in virus-mediated cell transformation leading to hepatocellular carcinomas. Interacts with, and activates STAT3 leading to cellular transformation. May repress the promoter of p53, and sequester CREB3 and SP110 isoform3/Sp110b in the cytoplasm. Also represses cell cycle negative regulating factor CDKN1A, thereby interrupting an important check point of normal cell cycle regulation. Targets transcription factors involved in the regulation of inflammatory responses and in the immune response: suppresses NK-kappaB activation, and activates AP-1. Mediates apoptotic pathways through association with TNF-type receptors TNFRSF1A and LTBR, although its effect on death receptors-induced apoptosis remains controversial. Enhances TRAIL mediated apoptosis, suggesting that it might play a role in mediated apoptosis, suggesting that it might play a role in immune-mediated liver cell injury. Secreted core protein is able to bind C1QR1 at the T-cell surface, resulting in down-regulation of T-lymphocytes proliferation. May transactivate human MYC, Rous sarcoma virus LTR, and SV40 promoters. May suppress the human FOS and HIV-1 LTR activity. May alter lipid metabolism by interacting with hepatocellular proteins involved in lipid accumulation and storage.

**Applications:** WB (1:1000-5000)**ELISA** (1:1000-5000)**Reactivity:** Species independent**— VALIDATION IMAGES —**

Sample: Lane 1: AU5-Tagged Fusion Protein  
Overexpression E.coli Lysate (Cat#: bs-41403P)  
at 2ug Lane 2: AU5-Tagged Fusion Protein  
Overexpression E.coli Lysate (Cat#: bs-41403P)  
at 4ug Primary: Anti-AU5 Tag (bs-2113R) at  
1/1000 dilution Secondary: IRDye800CW Goat  
Anti-Rabbit IgG at 1/20000 dilution Predicted  
band size: 51 kD Observed band size: 51 kD

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.