

bs-13150R**[Primary Antibody]****FBXO45 Rabbit pAb****Bioss**
ANTIBODIES

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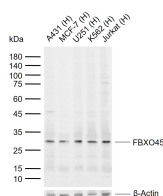
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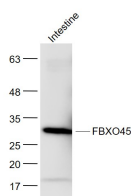
400-901-9800

DATASHEET

Host: Rabbit Clonality: Polyclonal GeneID: 200933 Target: FBXO45 Immunogen: KLH conjugated synthetic peptide derived from human FBXO45: 110-210/286. 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: Belonging to the F-box family of proteins, FBXO45 is a 286 amino acid protein that contains one C-terminal F-box domain. F-box proteins are critical components of the SCF (Skp1-CUL-1-F-box protein)-type E3 ubiquitin ligase complex and are involved in substrate recognition and protein recruitment for ubiquitination. They are members of a larger family of proteins that are involved in the regulation of a wide variety of cellular mechanisms, including the cell cycle, the immune response, signaling cascades and developmental processes. They function by targeting proteins, such as cyclins, cyclin-dependent kinase inhibitors, I β , B- α and β -catenin, for degradation by the proteasome after ubiquitination. Via its F-box domain, FBXO45 can directly interact with Skp1 p19 and CUL-1. FBXO45 has been shown to be an estrogen-induced gene.	Isotype: IgG SWISS: P0C2W1 Applications: WB (1:500-2000) Reactivity: Human, Mouse, Rat Predicted MW.: 31 kDa Subcellular Location: Cell membrane
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VALIDATION IMAGES

Sample: Lane 1: Human A431 cell lysates Lane 2: Human MCF-7 cell lysates Lane 3: Human U251 cell lysates Lane 4: Human K562 cell lysates Lane 5: Human Jurkat cell lysates Primary: Anti-FBXO45 (bs-13150R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kDa Observed band size: 30 kDa



Sample: Intestine(Mouse) Lysate at 40 ug Primary: Anti-FBXO45 (bs-13150R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 31 kD

SELECTED CITATIONS

- **[IF=2.8]** Mingxiu Xu. et al.FBXO45 restricts HIV-1 replication by inducing SQSTM1/p62- mediated autophagic degradation of Tat.virology.2025 Feb 12:e0191224. ;Human. 39936917