

**bs-13168R****[ Primary Antibody ]****FCGBP Rabbit pAb****Bioss**  
**ANTIBODIES**

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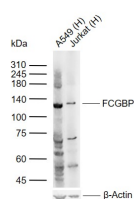
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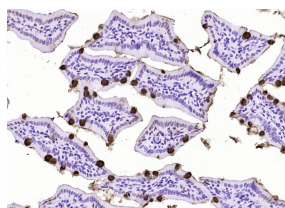
400-901-9800

**— DATASHEET —**

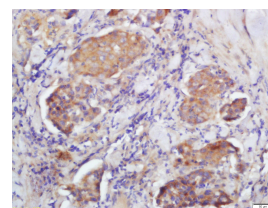
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:200-1000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 8857	<b>SWISS:</b> Q9Y6R7	<b>IHC-F</b> (1:100-500)
<b>Target:</b> FCGBP		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human FCGBP: 431-530/5405.		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Dog)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 569 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Secreted
<b>Background:</b> Fc (Ig constant fragment) receptors ensure protection of the host against foreign antigens, such as microorganisms and pathogens, by removing Ig-coated antigen complexes from circulation. Fc receptors are present on lymphoid and myeloid derivatives, where they mediate endocytosis of Ig-antigen complexes, antibody production in B cells through T cell antigen presentation, cytotoxicity and the release of cytokines and reactive oxygen species. The Fc $\gamma$ -binding protein (FCGBP) interacts with the Fc portion of IgG and MUC2 to mediate the maintenance of the mucosal structure. FCGBP is a 5,405 amino acid protein that contains twelve TIL (trypsin inhibitory-like) domains and thirteen VWFD domains. It is predominantly expressed in placenta and colon epithelium as well as in thyroid and serum. Patients with various autoimmune diseases seemingly have higher levels of FCGBP protein present in their serum.		

**— VALIDATION IMAGES —**

Sample: Lane 1: Human A549 cell lysates Lane 2: Human Jurkat cell lysates Primary: Anti-FCGBP (bs-13168R) at 1/200 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 569 kDa Observed band size: 120 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FCGBP) Polyclonal Antibody, Unconjugated (bs-13168R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-FCGBP Polyclonal Antibody, Unconjugated(bs-13168R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=4.631]** Jun-Jie Zhang. et al. A Novel Prognostic Marker and Therapeutic Target Associated with Glioma Progression in a Tumor Immune Microenvironment. J INFLAMM RES. 2023 Mar 01 IHC ;Human. 36883185

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