

**bs-3437R****[ Primary Antibody ]****phospho-Tyk2 (Tyr1054 + Tyr1055) Rabbit pAb****BioSS**  
**ANTIBODIES**

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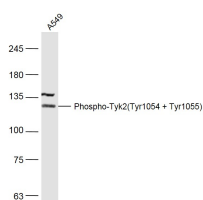
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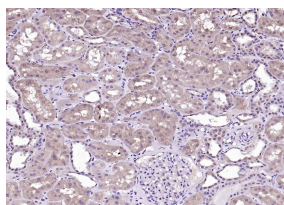
400-901-9800

**— DATASHEET —**

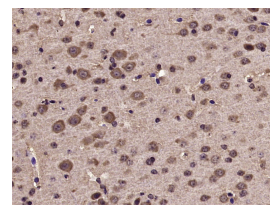
<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 7297 <b>Target:</b> Tyk2 (Tyr1054 + Tyr1055) <b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human Tyk2 around the phosphorylation site of Tyr1054/1055: HE(p-Y)(p-Y)RV. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <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>Background:</b> This gene encodes a member of the tyrosine kinase and, more specifically, the Janus kinases (JAKs) protein families. This protein associates with the cytoplasmic domain of type I and type II cytokine receptors and promulgate cytokine signals by phosphorylating receptor subunits. It is also component of both the type I and type III interferon signaling pathways. As such, it may play a role in anti-viral immunity. A mutation in this gene has been associated with hyperimmunoglobulin E syndrome (HIES) - a primary immunodeficiency characterized by elevated serum immunoglobulin E. [provided by RefSeq].	<b>Isotype:</b> IgG <b>SWISS:</b> P29597	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Human, Mouse, Rat (predicted: Dog) <b>Predicted MW.:</b> 134 kDa <b>Subcellular Location:</b> Cytoplasm ,Nucleus
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**— VALIDATION IMAGES —**

Sample: A549(Human) Cell Lysate at 30 ug  
Primary: Anti-Phospho-Tyk2(Tyr1054 + Tyr1055)  
(bs-3437R) at 1/300 dilution Secondary:  
IRDye800CW Goat Anti-Rabbit IgG at 1/20000  
dilution Predicted band size: 134 kD Observed  
band size: 134 kD



Paraformaldehyde-fixed, paraffin embedded  
(Human kidney); 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 (Phospho-Tyk2 (Tyr1054 +  
Tyr1055)) Polyclonal Antibody, Unconjugated  
(bs-3437R) at 1:200 overnight at 4°C, followed by  
operating according to SP Kit(Rabbit) (sp-0023)  
instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded  
(Mouse brain); Antigen retrieval by microwave in  
sodium citrate buffer (pH6.0) ; Block  
endogenous peroxidase by 3% hydrogen  
peroxide for 30 minutes; Blocking buffer (3%  
BSA) at RT for 30min; Antibody incubation with  
(Phospho-Tyk2(Tyr1054 + Tyr1055)) Polyclonal  
Antibody, Unconjugated (bs-3437R) at 1:400  
overnight at 4°C, followed by conjugation to the  
secondary antibody (labeled with HRP) and DAB  
staining.

**— SELECTED CITATIONS —**

- **[IF=9.756]** Xueshuo Sun. et al. HDAC4 mediated LHPP deacetylation enhances its destabilization and promotes the proliferation and metastasis of nasopharyngeal carcinoma. CANCER LETT. 2023 May;562:216158 IHC ;Mouse,Human. 37023940
- **[IF=6.304]** Chen Y et al. Dendritic cells-derived interferon-λ1 ameliorated inflammatory bone destruction through inhibiting osteoclastogenesis. Cell Death Dis. 2020 Jun 2;11(6):414. WB ;Mouse. 32488049

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

- **[IF=5.6]** Wanze Zhang. et al. Novaferon gene modification promotes NK92 cell anti-tumor activity. INT IMMUNOPHARMACOL. 2023 Sep;122:110613 WB ;Human. 37421776
- **[IF=4.9]** Yujie Wen. et al. SARS-CoV-2 ORF7a Protein Impedes Type I Interferon-Activated JAK/STAT Signaling by Interacting with HNRNPA2B1. INT J MOL SCI. 2025 Jan;26(12):5536 WB ;Human. 40565000
- **[IF=1.973]** Liang Shao. et al. Betulonic acid regulates oviduct epithelial cell inflammation through the TLR4, MAPK, and JAK/STAT signalling pathways. REPROD FERT DEVELOP. 2023 May;35(8):480-491 WB ;Rat. 37142241