

bs-3437R**[Primary Antibody]**

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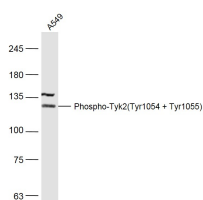
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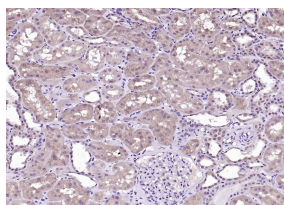
400-901-9800

Phospho-Tyk2 (Tyr1054 + Tyr1055) Rabbit pAb**— DATASHEET —**

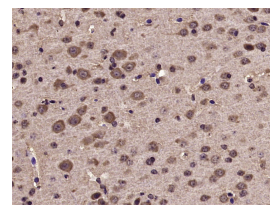
Host: Rabbit Clonality: Polyclonal GeneID: 7297 Target: Phospho-Tyk2 (Tyr1054 + Tyr1055) Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Tyk2 around the phosphorylation site of Tyr1054/1055: HE(p-Y)(p-Y)RV. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 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: 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].	Isotype: IgG SWISS: P29597	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Dog) Predicted MW.: 134 kDa Subcellular Location: 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=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