bs-5805R **[Primary Antibody]**

RIPK1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 8737 **SWISS:** Q13546

Target: RIPK1

Immunogen: KLH conjugated synthetic peptide derived from human RIPK1: 581-671/671.

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: Essential adapter molecule for the activation of NF-kappa-B. Following different upstream signals (binding of inflammatory cytokines, stimulation of pathogen recognition receptors, or DNA damage), particular RIPK1-containing complexes are formed, initiating a limited number of cellular responses. Upon TNFA stimulation RIPK1 is recruited to a TRADD-TRAF complex initiated by TNFR1 trimerization. There, it is ubiquitinated via 'Lys-63'-link chains, inducing its association with the IKK complex, and its activation through NEMO binding of polyubiquitin chains.

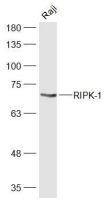
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Horse)

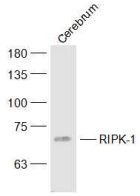
Predicted MW.: 74 kDa

Subcellular Location: Cell membrane ,Cytoplasm

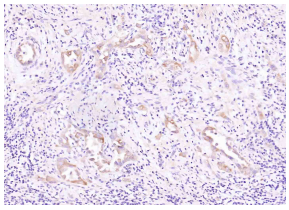
VALIDATION IMAGES



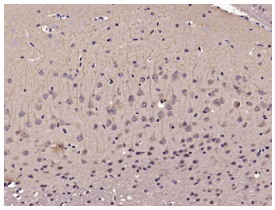
Sample: Raji(Human) Cell Lysate at 30 ug Primary: Anti-RIPK-1 (bs-5805R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 74 kD Observed band size: 70 kD



Sample: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-RIPK-1 (bs-5805R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 74 kD Observed band size: 70 kD



Paraformaldehyde-fixed, paraffin embedded (human cervical carcinoma); 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; Incubation with (RIPK1) Polyclonal Antibody, Unconjugated (bs-5805R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand 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 (RIPK-1) Polyclonal Antibody, Unconjugated (bs-5805R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.

SELECTED CITATIONS

- **[IF=40.137]** Seifert, Lena, et al. "The necrosome promotes pancreatic oncogenesis via CXCL1 and Mincle-induced immune suppression." Nature (2016). IHC ;Mouse. 27049944
- **[IF=16.836]** Zhang L et al. A Conditionally Releasable “Do not Eat Me” CD47 Signal Facilitates Microglia-Targeted Drug Delivery for the Treatment of Alzheimer’s Disease. Adv. Funct. Mater. 2020, 1910691 WB ;rabbit. 10.1002/adfm.201910691
- **[IF=7.675]** Lei Lei. et al. Selenium Deficiency-Induced Oxidative Stress Causes Myocardial Injury in Calves by Activating Inflammation, Apoptosis, and Necroptosis. ANTIOXIDANTS-BASEL. 2023 Feb;12(2):229 WB ;Cow. 10.3390/antiox12020229
- **[IF=6.208]** Shuang Wang. et al. Paricalcitol Ameliorates Acute Kidney Injury in Mice by Suppressing Oxidative Stress and Inflammation via Nrf2/HO-1 Signaling. INT J MOL SCI. 2023 Jan;24(2):969 IF ;Mouse. 36674485
- **[IF=4.5]** Tianyi Yan. et al. Nd:YAG1064nm laser functions against Sporothrix globosa by inducing PANoptosis via the regulation of ZBP1-induced PANoptosome activation. FRONT MICROBIOL. 2025 Mar;16: IHC ;Mouse. 40207151