bs-3194R **[Primary Antibody]**

Phospho-IRAK1 (Thr387) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3654 **SWISS:** P51617

Target: Phospho-IRAK1 (Thr387)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human IRAK1 around the phosphorylation site of Thr387: RG(p-T)LA.

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 the interleukin-1 receptor-associated kinase 1, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. This gene is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

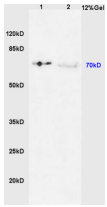
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (0.2µg /Test)
ELISA (1:5000-10000)

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

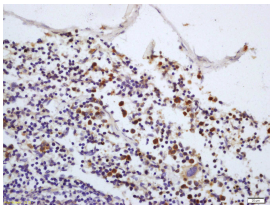
Predicted MW.: 78 kDa

Subcellular Location: Cytoplasm ,Nucleus

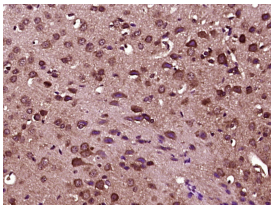
VALIDATION IMAGES



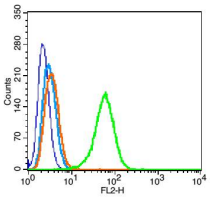
Sample: Lane1: Liver (Mouse) Cell Lysate at 30 ug
Lane2: Colon carcinoma (Human) Lysate at 30 ug
Primary: Anti-Phospho-IRAK1 (Thr387)(bs-3194R) at 1:200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution; Predicted band size : 70kD Observed band size : 70kD



Tissue/cell: mouse spleen tissue; 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-Phospho-IRAK1 (Thr387) Polyclonal Antibody, Unconjugated(bs-3194R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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-IRAK1 (Thr387)) Polyclonal Antibody, Unconjugated (bs-3194R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control(blue): RSC96 cells(fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody:Rabbit Anti-Phospho-IRAK1 (Thr387) antibody(bs-3194R), Dilution: 0.2µg in 100 µL 1X PBS containing 0.5% BSA; Isotype

Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

SELECTED CITATIONS

- **[IF=7.5]** Natalie E. Hong. et al. Nanoparticle-based itaconate treatment recapitulates low-cholesterol/low-fat diet-induced atherosclerotic plaque resolution. CELL REP. 2024 Nov;43: IHC ;Mouse. 39466775
- **[IF=6.8]** Mengyuan Li. et al. NLRP12 attenuates ozone-induced pulmonary inflammation by regulating canonical NF-κB Pathway. ECOTOX ENVIRON SAFE. 2023 Sep;262:115275 WB ;Mouse. 37531929
- **[IF=6.43]** Wen et al. Positive Feedback Regulation between Transglutaminase 2 and Toll-Like Receptor 4 Signaling in Hepatic Stellate Cells Correlates with Liver Fibrosis PostSchistosoma japonicumInfection. (2018) Front.Immunol. 8:1808 IHC ;Mouse. 29321784
- **[IF=3.8]** Wei Wang. et al. Sulforaphane inhibits the migration and invasion of BPDE-induced lung adenocarcinoma cells by regulating NLRP12. TOXICOL APPL PHARM. 2024 Mar;:116916 WB ;Human. 38537874