
Phospho-IRAK1 (Thr387) Rabbit pAb

Catalog Number: bs-3194R

Target Protein: Phospho-IRAK1 (Thr387)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Entrez Gene: 3654

Swiss Prot: P51617

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

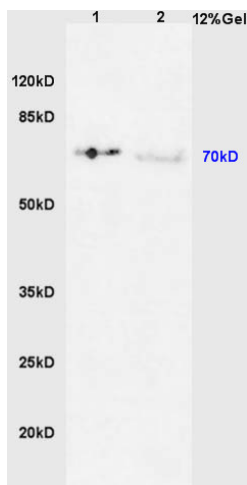
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

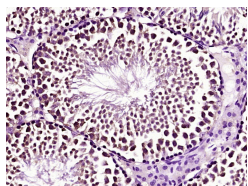
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

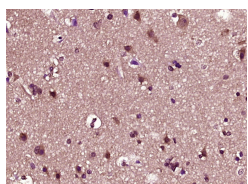
VALIDATION IMAGES



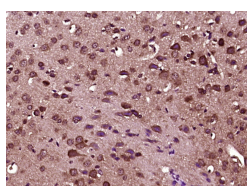
Sample: Lane1: Liver (Mouse) Cell Lysate at 30 ug Lane2: Colon carcinoma (Human) Lysate at 30 ug Primary: Anti-Phospho-IRAK1 (Thr387)(bs-3194R) at 1:200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution; Predicted band size : 70kD Observed band size : 70kD



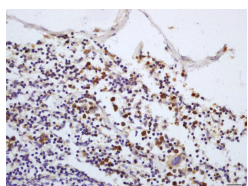
Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IRAK1 (Thr387)) Polyclonal Antibody, Unconjugated (bs-3194R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



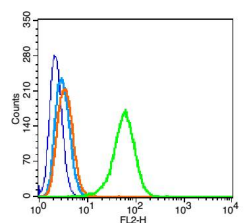
Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IRAK1 (Thr387)) Polyclonal Antibody, Unconjugated (bs-3194R) at 1:400 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 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) instructions and DAB staining.



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



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.

PRODUCT SPECIFIC PUBLICATIONS

[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- κ B 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