

**bs-3193R****[ Primary Antibody ]****phospho-IRAK1 (Thr209) Rabbit pAb****Bioss**  
**ANTIBODIES**

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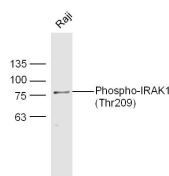
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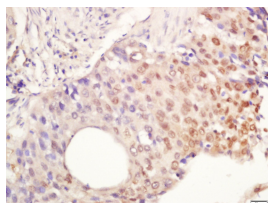
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3654**SWISS:** P51617**Target:** IRAK1 (Thr209)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human IRAK1 around the phosphorylation site of Thr209: RG(p-T)HN.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

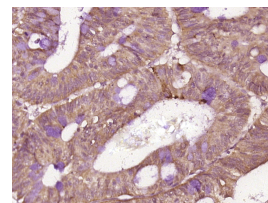
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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)**ICC/IF** (1:100)**Reactivity:** Human, Rat**Predicted MW.:** 78 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

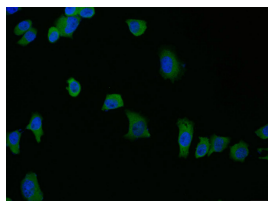
Sample: Raji Cell Lysate at 30 ug  
 Primary: Anti-phospho-IRAK1(Thr209) (bs-3193R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 78 kD  
 Observed band size: 78 kD



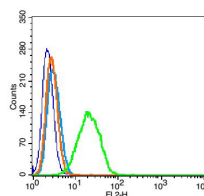
Tissue/cell: Human lung cancer tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-IRAK1 (Ser376) Polyclonal Antibody, Unconjugated (bs-3193R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



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; Antibody incubation with (IRAK1 (Thr209)) Polyclonal Antibody, Unconjugated (bs-3193R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-IRAK1 (Thr209)) polyclonal Antibody, Unconjugated (bs-3193R) 1:100, 90 minutes at 37°C; followed



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 (Thr209) antibody (bs-3193R), Dilution: 0.2µg in 100 µL 1X PBS containing 0.5% BSA; Isotype

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

by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

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.

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## — SELECTED CITATIONS —

- **[IF=4.886]** Jain VG et al. IRAK1 Is a Critical Mediator of Inflammation-Induced Preterm Birth. J Immunol. 2020 May 15;204(10):2651-2660. WB ;Human. 32238461