bs-3229R **[Primary Antibody]**

phospho-IKK alpha (Thr23) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1147 **SWISS:** O15111

Target: IKK alpha (Thr23)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human IKK alpha around the phosphorylation site of Thr23: LG(p-T)GG.

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: Nuclear factor kappa B (NFkB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NFkB mediates the expression of a great variety of genes in response to extracellular stimuli including IL1, TNF alpha, and bacterial product LPS. NFkB is associated with IkB proteins in the cell cytoplasm, which inhibit NFkB activity. IKK is a serine protein kinase, and the IKK complex contains alpha and beta subunits (IKK alpha and IKK beta). IKK alpha and IKK beta interact with each other and both are essential for NFkB activation. IKK alpha specifically phosphorylates IkBa. IKKa is expressed in variety of human tissues.

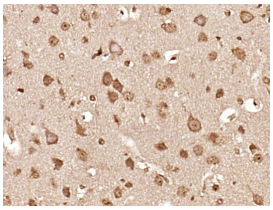
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (2ug/Test)
ICC/IF (1:100)

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

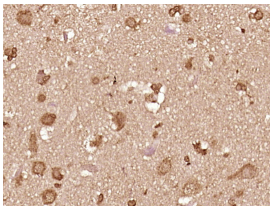
Predicted MW.: 85 kDa

Subcellular Location: Cytoplasm ,Nucleus

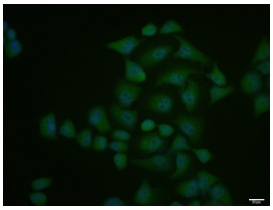
VALIDATION IMAGES



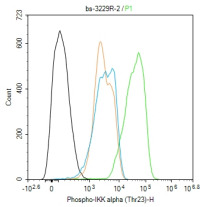
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-IKK alpha (Thr23)) Polyclonal Antibody, Unconjugated (bs-3229R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human 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 (Phospho-IKK alpha (Thr23)) Polyclonal Antibody, Unconjugated (bs-3229R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes 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-IKK alpha (Thr23)) polyclonal Antibody, Unconjugated (bs-3229R) 1:100, 90 minutes at 37°C; followed 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.



Blank control（black line）:U251. Primary Antibody (green line): Rabbit Anti-Phospho-IKK alpha (Thr23) antibody (bs-3229R)

Dilution:2ug/Test; Secondary Antibody（white blue line）: Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control（orange line）: Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=7.561]** Qihong Zhang. et al. ACSL1 Inhibits ALV-J Replication by IFN- Ⅰ Signaling and PI3K/Akt Pathway. Front Immunol. 2021; 12: 774323 WB ;Chicken. 34777393
- **[IF=8.2]** Qinbing Xue. et al. Structural characterization and immune-enhancing effects of a novel polysaccharide extracted from Sargassum fusiforme. INT J BIOL MACROMOL. 2024 May;:132497 WB ;Mouse. 38763236
- **[IF=6.1]** Dongxue Song. et al. Purple Sweet Potato Polysaccharide Exerting an Anti-inflammatory Effect via a TLR-Mediated Pathway by Regulating Polarization and Inhibiting the Inflammasome Activation. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX WB ;Mouse. 38233194
- **[IF=6.291]** Shaofeng Wu. et al. The neuroprotective effect of curcumin against ATO triggered neurotoxicity through Nrf2 and NF-κB signaling pathway in the brain of ducks. Ecotox Environ Safe. 2021 Dec;228:112965 WB ;Duck. 34775344
- **[IF=5.037]** Yuhua Li. et al. Study on the mechanism of Yupingfeng powder in the treatment of immunosuppression based on UPLC-QTOF-MS, network pharmacology and molecular biology verification. Life Sci. 2022 Jan;289:120211 WB ;Mouse. 34875251