bs-3434R

[Primary Antibody]

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phospho-Syk (Tyr525 + Tyr526) Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 6850 **SWISS:** P43405

Target: Syk (Tyr525 + Tyr526)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

Syk around the phosphorylation site of Tyr525/526: EN(p-Y)(p-Y)KA.

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 a member of the family of non-receptor type Tyr protein kinases. This protein is widely expressed in hematopoietic cells and is involved in coupling activated immunoreceptors to downstream signaling events that mediate diverse cellular responses, including proliferation, differentiation, and phagocytosis. It is thought to be a modulator of epithelial cell growth and a potential tumour suppressor in human breast carcinomas. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]

Applications: WB (1:500-2000)

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

Reactivity: Human, Mouse

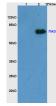
(predicted: Rat, Rabbit, Pig, Cow, Chicken, Dog,

GuineaPig)

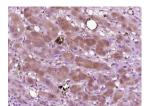
Predicted 72 kDa MW.:

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: Lane1: Embryo (Mouse) Lysate at 30 ug Lane2: Thymus (Mouse) Cell Lysate at 30 ug Primary: Anti- phospho-Syk (Tyr525/526) (bs-3434R) at 1/300 dilution Secondary: IRDve800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 72kD Observed band size: 70kD



Paraformaldehyde-fixed, paraffin embedded (human liver 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 (Syk (Tyr525 + Tyr526)) Polyclonal Antibody, Unconjugated (bs-3434R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS -

- [IF=14.6] Xiao-Rong Huang, et al. Macrophage autophagy protects against acute kidney injury by inhibiting renal inflammation through the degradation of TARM1. AUTOPHAGY. 2024 八月 29 WB; Mouse. 39193910
- [IF=8.2] Wang Ziyi. et al. Targeting Myeloid Trem2 Reprograms the Immunosuppressive Niche and Potentiates Checkpoint Immunotherapy in NASH-Driven Hepatocarcinogenesis. CANCER IMMUNOL RES. 2025 Aug;: FC,WB; Mouse. 40748990
- [IF=8.469] Chen, Xuejiao. et al. Targeting SYK of monocyte-derived macrophages regulates liver fibrosis via

crosstalking with Erk/Hif1 α and remodeling liver inflammatory environment. Cell Death Dis. 2021 Dec;12(12):1-11 WB, IF ; Mouse. 34853322

- [IF=6] Chen Xuejiao. et al. SYK promotes the formation of neutrophil extracellular traps by inducing PKM2 nuclear translocation and promoting STAT3 phosphorylation to exacerbate hepatic ischemia-reperfusion injury and tumor recurrence. MOL MED. 2024 Dec;30(1):1-16 IHC,IF; Mouse. 39261768
- [IF=4.7] Ziyi Wang. et al. Macrophages Atp6v0d2 regulates XBP1-mediated cholesterol metabolism to suppress metabolic dysfunction-associated steatohepatitis progression. INT IMMUNOPHARMACOL. 2025 Aug;161:115088 IF; Mouse. 40526981