

Syk Rabbit mAb

Catalog NO.: A25741 **Recombinant**

Basic Information

Observed MW

70kDa

Calculated MW

72kDa/70kDa

Category

Monoclonal Antibodies

Applications

WB, IP, IF/ICC, IF-P, FC (intra), ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Clone number

ARC66891

Recommended Dilutions

WB 1:1000 - 1:2000

IP
0.5µg-4µg antibody for 400µg-600µg extracts of whole cells

IF/ICC 1:200 - 1:800
IF-P 1:200 - 1:800

FC (intra) 1:500 - 1:1000

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Contact

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.

Immunogen Information

Gene ID	Swiss Prot
6850	P43405

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

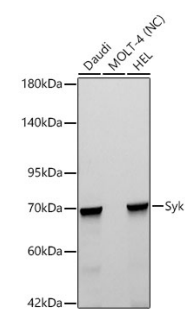
IMD82; p72-Syk

Product Information

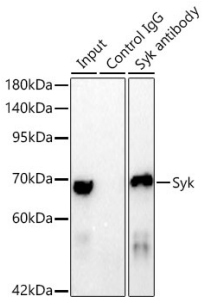
☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.		

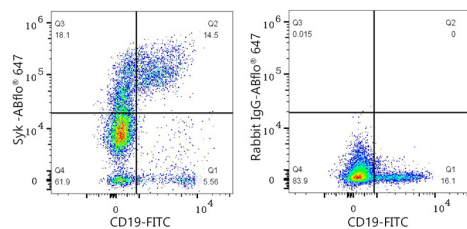
Validation Data



Western blot analysis of various lysates using Syk Rabbit mAb (A25741) at 1:1000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020)
 Negative control (NC): MOLT-4
 Exposure time: 45s.

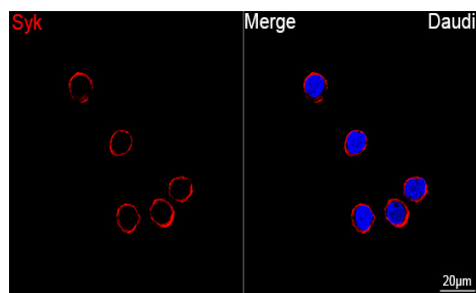


Immunoprecipitation of Syk from 500 µg extracts of HEL cells was performed using 2 µg of Syk Rabbit mAb (A25741).
 Rabbit IgG isotype control(AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X non-reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Syk Rabbit mAb (A25741) at a dilution of 1:1000.

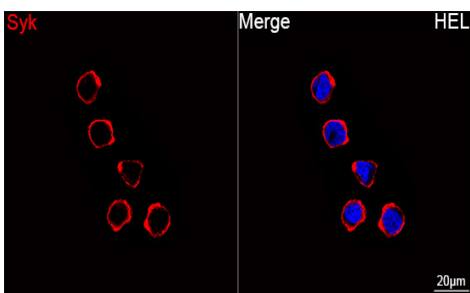


Flow cytometry: 1X10⁶ Human PBMC were surface-stained with FITC Mouse anti-Human CD19 mAb (A22815, 5 µl/Test) followed by intracellular staining with Syk Rabbit mAb (A25741, 5 µl/Test, left) or Rabbit IgG isotype control (AC042, 2 µg/mL, right).

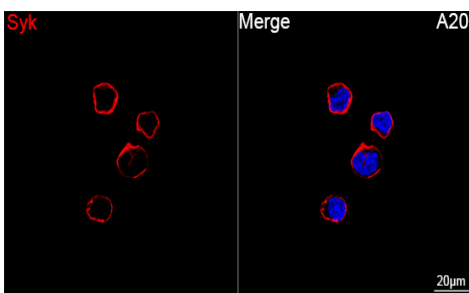
Validation Data



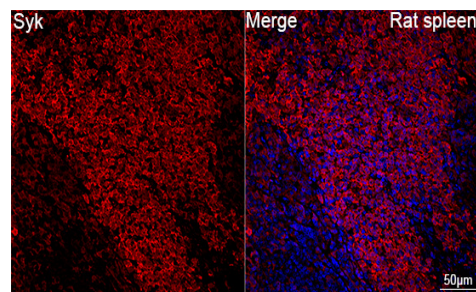
Confocal imaging of Daudi cells using Syk Rabbit mAb (A25741, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of HEL cells using Syk Rabbit mAb (A25741, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of A20 cells using Syk Rabbit mAb (A25741, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of paraffin-embedded Rat spleen tissue using Syk Rabbit mAb (A25741, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

