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PU.1/SPI1 Rabbit mAb

Catalog No.: A24910 Recombinant 2 Publications

Basic Information

Observed MW
38kDa

Calculated MW
31kDa

Category
Primary antibody

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

Cross-Reactivity
Human

CloneNo number
ARC63111

Background

This gene encodes an ETS-domain transcription factor that activates gene expression during myeloid and B-lymphoid cell development. The nuclear protein binds to a purine-rich sequence known as the PU-box found near the promoters of target genes, and regulates their expression in coordination with other transcription factors and cofactors. The protein can also regulate alternative splicing of target genes. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:1000 - 1:6000
IF/ICC	1:50 - 1:200
IF-P	1:50 - 1:200
IHC-P	1:500 - 1:5000
FC (intra)	1:100 - 1:500
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
6688

Swiss Prot
P17947

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

Synonyms
OF; PU.1; AGM10; SFPI1; SPI-1; SPI-A; PU.1/SPI1

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact

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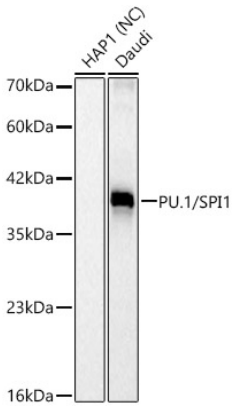
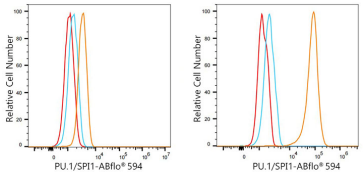
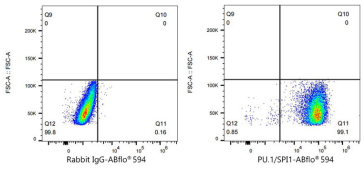
Validation Data



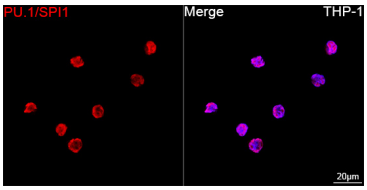
Western blot analysis of various lysates, using PU.1/SPI1 Rabbit mAb (A24910) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC):HAP1
Exposure time: 15s.



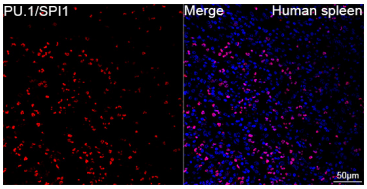
Flow cytometry: 1X10^6 HAP1 cells (negative control,left) and THP-1 cells (right) were intracellularly-stained with PU.1/SPI1 Rabbit mAb (A24910,2 µg/mL,orange line) or ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,blue line), followed by ABflo® 594-conjugated Goat Anti-Rabbit IgG (H+L) staining. Non-fluorescently stained cells were used as blank control (red line).



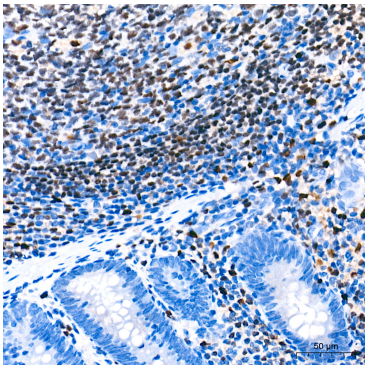
Flow cytometry: 1X10^6 THP-1 cells were intracellularly-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,left) or PU.1/SPI1 Rabbit mAb (A24910,2 µg/mL,right).



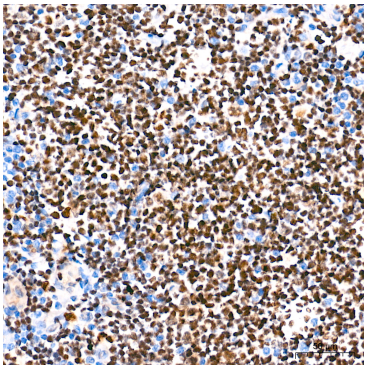
Confocal imaging of THP-1 cells using PU.1/SPI1 Rabbit mAb (A24910, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of paraffin-embedded Human spleen tissue using PU.1/SPI1 Rabbit mAb (A24910, 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.

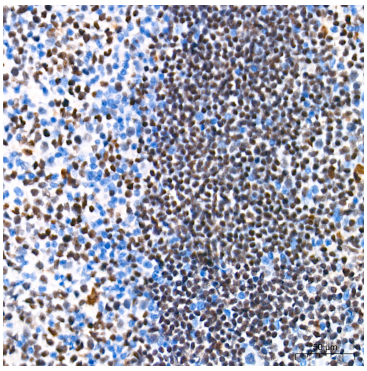


Immunohistochemistry analysis of paraffin-embedded Human appendix tissue using PU.1/SPI1 Rabbit mAb (A24910) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human follicular lymphoma tissue using PU.1/SPI1 Rabbit mAb (A24910) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using PU.1/SPI1 Rabbit mAb (A24910) at a dilution of 1:3000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.