

Anti-SPI1 / PU.1 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17274**Specification**

Anti-SPI1 / PU.1 Antibody - Product Information

Application	IHC-P
Primary Accession	P17947
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	31083

Anti-SPI1 / PU.1 Antibody - Additional Information**Gene ID 6688**Alias Symbol **SPI1****Other Names**

SPI1, 31 kDa-transforming protein, 31 kDa transforming protein, PU.1, SFPI1, SPI-1, SPI-1 proto-oncogene, SPI-A, Transcription factor PU.1

Target/Specificity

Human SPI1 / PU.1

Reconstitution & Storage

PBS, pH 7.4, 0.03% Proclin 300, 50% glycerol. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

Anti-SPI1 / PU.1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-SPI1 / PU.1 Antibody - Protein Information**Name SPI1****Function**

Pioneer transcription factor, which controls hematopoietic cell fate by decompacting stem cell heterochromatin and allowing other transcription factors to enter otherwise inaccessible genomic sites. Once in open chromatin, can directly control gene expression by binding genetic regulatory elements and can also more broadly influence transcription by recruiting transcription factors, such as interferon regulatory factors (IRFs), to otherwise inaccessible genomic regions (PubMed: [23658224](http://www.uniprot.org/citations/23658224), PubMed: [33951726](http://www.uniprot.org/citations/33951726)). Transcriptionally activates genes important for myeloid and lymphoid lineages, such as CSF1R (By similarity). Transcriptional activation from certain promoters, possibly containing low affinity

binding sites, is achieved cooperatively with other transcription factors. FCER1A transactivation is achieved in cooperation with GATA1 (By similarity). May be particularly important for the pro- to pre-B cell transition (PubMed:33951726). Binds (via the ETS domain) onto the purine-rich DNA core sequence 5'-GAGGAA-3', also known as the PU-box (PubMed:33951726). In vitro can bind RNA and interfere with pre-mRNA splicing (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00237, ECO:0000269|PubMed:33951726}

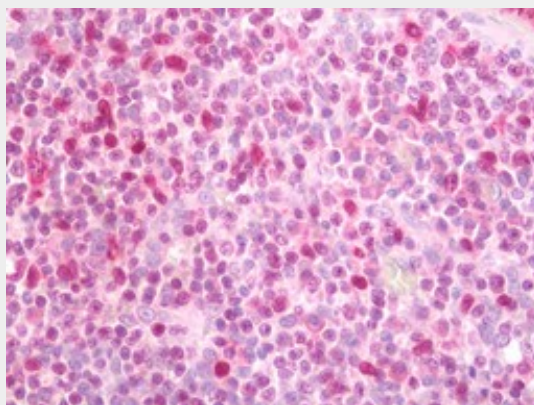
Tissue Location

In the bone marrow, concentrated in hematopoietic stem cell, lymphoid progenitor, myeloid lineage (granulocyte macrophage progenitors, classical dendritic cells, monocytes) and B-cell clusters Among B-cells, predominantly expressed in pre-B1 cells (PubMed:33951726). Expressed in germinal center B-cells (PubMed:23166356).

Anti-SPI1 / PU.1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SPI1 / PU.1 Antibody - Images

Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)