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Sfpi1 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11133

Specification

Sfpi1 Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	P17433
Other Accession	NM_011355, NP_035485
Reactivity	**Mouse, Rat**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**31kDa KDa**

Sfpi1 Antibody - N-terminal region - Additional Information

Gene ID 20375

Alias Symbol	**Dis-1, Dis1, PU.1, Sfpi-1, Spi-1, Spi1, Tcfpu1, Tfpu.1, Sfpi1**

Other Names
Transcription factor PU.1, 31 kDa-transforming protein, SFFV proviral integration 1 protein, Spi1, Sfpi-1, Sfpi1

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Sfpi1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Sfpi1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Sfpi1 Antibody - N-terminal region - Protein Information

Name Spi1

Synonyms Sfpi-1 {ECO:0000303|PubMed:1985210}, Sfp

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 (PubMed:8079170). 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 (By similarity). 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:8079170). Binds (via the ETS domain) onto the purine-rich DNA core sequence 5'-GAGGAA-3', also known as the PU-box (PubMed:2180582). In vitro can bind RNA and interfere with pre-mRNA splicing (PubMed:8626664).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:P17947}.

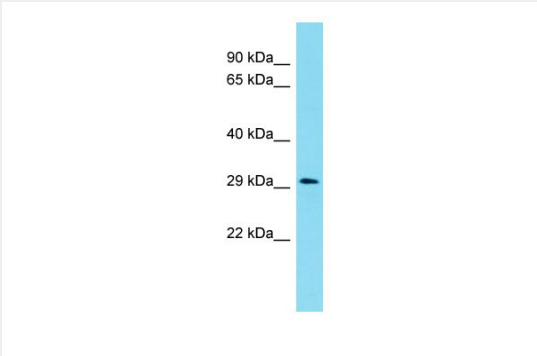
Tissue Location
Expressed in spleen, thymus and bone-marrow macrophages.

Sfpi1 Antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Sfpi1 Antibody - N-terminal region - Images



Host: Rabbit
Target Name: Sfpi1
Sample Tissue: Mouse Testis lysates
Antibody Dilution: 1.0µg/ml