10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Sfpi1 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11133

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	31349

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.

Protein Information

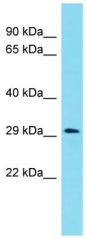
Name	Spi1
Synonyms	Sfpi-1 {ECO:0000303|PubMed:1985210}, Sfp
Function	Pioneer transcription factor, which controls hematopoietic cell fate by decompacting stem cell heterochromatin and allowing other transcription factors to enter otherwise inaccessible genomic sites (PubMed:8079170). Once in open chromatin, 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.

Images



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