

SPI1 Rabbit mAb

Catalog # AP76677

Specification

SPI1 Rabbit mAb - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW

WB, IHC-P, IHC-F, IP, ICC P17433 Human, Mouse, Rat, Hamster **Monoclonal Antibody** 31349

SPI1 Rabbit mAb - Additional Information

Gene ID 20375

Other Names

Spi1

Dilution

WB~~1/500-1/1000 IHC-P~~N/A

IHC-F~~N/A

IP~~N/A

ICC~~N/A

Format

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

SPI1 Rabbit mAb - Protein Information

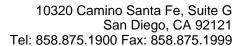
Name Spi1

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:<a href="http://www.uniprot.org/citations/8079170"

target=" blank">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.

SPI1 Rabbit mAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

SPI1 Rabbit mAb - Images

