

**产品名称: PU.1 Rabbit Polyclonal Antibody**  
**产品货号: APRab16688**



## 产品概述 (Summary)

|                        |                                 |
|------------------------|---------------------------------|
| 产品名称 (Production Name) | PU.1 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody      |
| 宿主 (Host)              | Rabbit                          |
| 应用 (Application)       | WB,IHC,ICC/IF,ELISA             |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat,Monkey          |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | SPI1                                                                                                    |
| 别名 (Alternative Names) | SPI1; Transcription factor PU.1; 31 kDa-transforming protein                                            |
| 基因 ID (Gene ID)        | 6688.0                                                                                                  |
| 蛋白 ID (SwissProt ID)   | P17947.The antiserum was produced against synthesized peptide derived from human SPI1. AA range:181-230 |

## 产品应用 (Application)

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000 |
| 蛋白分子量 (Molecular Weight) | 32kDa                                                                     |

## 研究背景 (Background)

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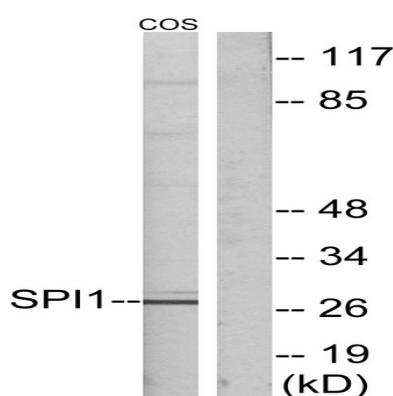


This gene encodes an ETS-domain transcription factor that activates gene expression during myeloid and B-lymphoid cell development. The nuclear protein binds to a purine-rich sequence known as the PU-box found near the promoters of target genes, and regulates their expression in coordination with other 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. [provided by RefSeq, Jul 2008],function: Binds to the PU-box, a purine-rich DNA sequence (5'-GAGGAA-3') that can act as a lymphoid-specific enhancer. This protein is a transcriptional activator that may be specifically involved in the differentiation or activation of macrophages or B-cells. Also binds RNA and may modulate pre-mRNA splicing.,induction: Highly expressed in both FV-P and FV-A-induced erythro-leukemia cell lines that have undergone rearrangements of the Spi-1 gene due to the insertion of SFFV.,similarity: Belongs to the ETS family.,similarity: Contains 1 ETS DNA-binding domain.,subunit: Binds DNA as a monomer. Interacts with RUNX1 and SPIB. Interacts with CEBPD and NONO.,

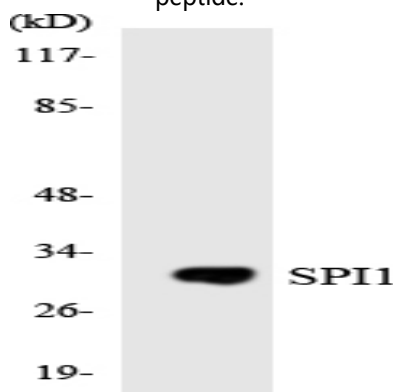
## 研究领域 (Research Area)

Pathways in cancer; Acute myeloid leukemia;

## 图片 (Image Data)

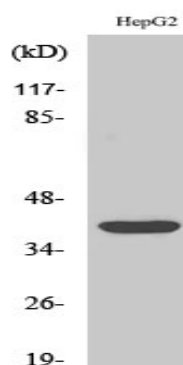


Western blot analysis of lysates from COS7 cells, using SPI1 Antibody. The lane on the right is blocked with the synthesized peptide.

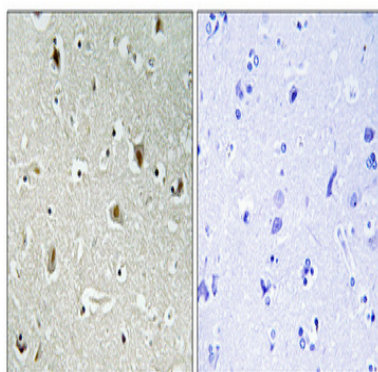


Western blot analysis of the lysates from HUVEC cells using SPI1 antibody.

产品名称: PU.1 Rabbit Polyclonal Antibody  
产品货号: AP Rab16688



Western Blot analysis of various cells using PU.1 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°, overnight) . High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

### 注意事项 (Note)

For research use only .