SunLong Biotech Co.,LTD
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Mouse Anti-PU.1/Spi1 antibody

SLM-51687M

Product Name	PU.1/Spi1
Chinese Name	造血转录因子 PU.1 单克隆抗体
Alias	31 kDa Transforming Protein; 31 kDa-transforming protein; Hematopoietic transcription factor PU.1; OF; SFPI1; SPI 1 proto oncogene; SPI A; SPI1_HUMAN; Spleen focus forming virus (SFFV) proviral integration oncogene spi1; Transcription factor PU.1.
Research Area	immunology transcriptional regulatory factor b-lymphocyte Epigenetics
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	K8J9
React Species	Human,
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	31kDa
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant human SPI1
Lsotype	IgG1,k
Purification	affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	The enzyme encoded by this gene catalyzes the elimination of inorganic

triphosphate from dihydroneopterin triphosphate, which is the second and irreversible step in the biosynthesis of tetrahydrobiopterin from GTP. Tetrahydrobiopterin, also known as BH(4), is an essential cofactor and regulator of various enzyme activities, including enzymes involved in serotonin biosynthesis and NO synthase activity. Mutations in this gene result in hyperphenylalaninemia. [provided by RefSeq, Oct 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.

Subunit:
Binds DNA as a monomer. Interacts with CEBPD and NONO (By similarity). Interacts with RUNX1 and SPIB. Interacts with GFI1; the interaction represses SPI1 transcriptional activity.

Subcellular Location:
Nucleus.

Similarity:
Belongs to the ETS family.
Contains 1 ETS DNA-binding domain.

SWISS:
P17947

Gene ID:
6688

Database links:

Entrez Gene: 6688 Human

SwissProt: P17947 Human

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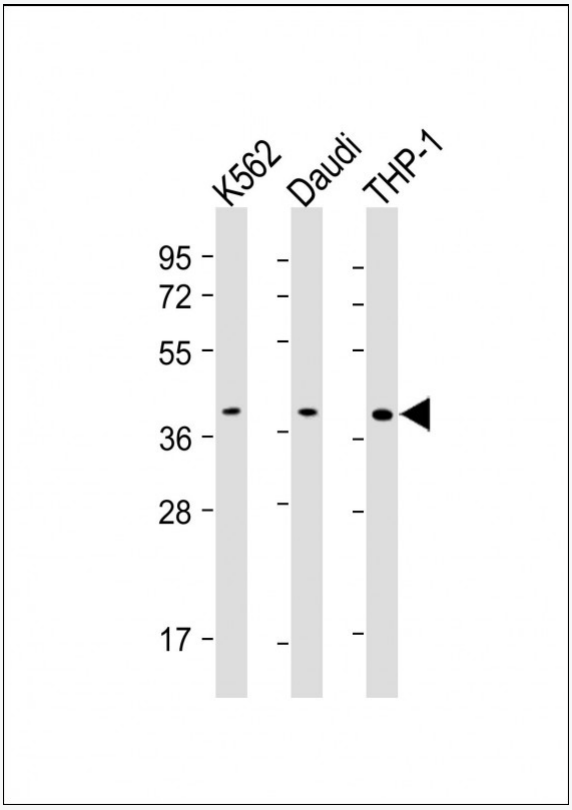
Product Picture



Sample:

Lane 1: K562 cell lysates

Lane 2: Daudi cell lysates

Lane 3: THP-1 cell lysates

Primary: Anti-PU.1/Spi1 (SLM-51687M) at 1/500~1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 31 kD

Observed band size: 40 kD