

# SPIB Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19462b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q01892</a>
<b>Other Accession</b>	<a href="#">Q5EBA3</a> , <a href="#">O35906</a> , <a href="#">NP_003112.2</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB40547
<b>Calculated MW</b>	28819
<b>Antigen Region</b>	216-245

## Additional Information

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<b>Gene ID</b>	6689
<b>Other Names</b>	Transcription factor Spi-B, SPIB
<b>Target/Specificity</b>	This SPIB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 216-245 amino acids from the C-terminal region of human SPIB.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	SPIB Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	SPIB
<b>Function</b>	Sequence specific transcriptional activator which binds to the PU-box, a purine-rich DNA sequence (5'-GAGGAA-3') that can act as a lymphoid-specific enhancer. Promotes development of plasmacytoid dendritic cells (pDCs), also

known as type 2 DC precursors (pre-DC2) or natural interferon (IFN)-producing cells. These cells have the capacity to produce large amounts of interferon and block viral replication. May be required for B-cell receptor (BCR) signaling, which is necessary for normal B-cell development and antigenic stimulation.

**Cellular Location**

[Isoform 1]: Nucleus

**Tissue Location**

Expressed in plasmacytoid dendritic cells (pDCs) and B-cells, not expressed in T-cells or granulocytes. May also be enriched in stem cell populations of the liver

## Background

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SPI1 (MIM 165170) and SPIB are members of a subfamily of ETS (see ETS1; MIM 164720) transcription factors. ETS proteins share a conserved ETS domain that mediates specific DNA binding. SPIB and SPI1 bind to a purine-rich sequence, the PU box (5-prime-GAGGAA-3-prime).

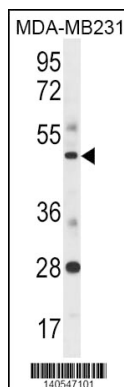
## References

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Schmidlin, H., et al. Blood 112(5):1804-1812(2008)  
Nagasawa, M., et al. Eur. J. Immunol. 38(9):2389-2400(2008)  
Dontje, W., et al. Blood 107(6):2446-2452(2006)  
Geng, C.D., et al. J. Biol. Chem. 280(52):43264-43271(2005)

## Images

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SPIB Antibody (C-term) (Cat. #AP19462b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the SPIB antibody detected the SPIB protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.