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SPIB Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19462b

Product Information

Application	WB, E
Primary Accession	Q01892
Other Accession	Q5EBA3, O35906, NP_003112.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40547
Calculated MW	28819
Antigen Region	216-245

Additional Information

Gene ID	6689
Other Names	Transcription factor Spi-B, SPIB
Target/Specificity	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.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	SPIB Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SPIB
Function	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

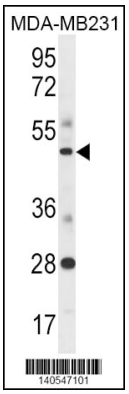
Background

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

Liu, X., et al. Nat. Genet. 42(8):658-660(2010)
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



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'.