

bs-9428R**[Primary Antibody]**

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Tal1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:50-200) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse) Predicted MW.: 34 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 6886	SWISS: P17542	
Target: Tal1		
Immunogen: KLH conjugated synthetic peptide derived from human Tal1: 185-300/331.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Activation of TAL1 characterizes up to 60% of cases of human T cell acute lymphoblastic leukemia, making it the most frequent gain-of-function mutation observed in this disorder. TAL1 (also designated SCL) is a serine phosphoprotein and basic helix-loop-helix transcription factor known to regulate embryonic hematopoiesis. This transcription factor binds as a heterodimer with E2A and HEB/HTF4 to a nucleotide sequence motif termed the E-box. In addition, leukemogenesis is accelerated dramatically by transgenic co-expression of TAL1 and the catalytic subunit of casein kinase IIalpha, a serine/ threonine protein kinase known to modulate the activity of other bHLH transcription factors.		

— SELECTED CITATIONS —

- **[IF=2.13]** Niderla-Bielińska, Justyna, et al. "3-D reconstruction and multiple marker analysis of mouse proepicardial endothelial cell population." Microvascular Research (2015). IHC ;="Mouse". 26277230