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## Tal1 Rabbit pAb

Catalog Number: bs-9428R

Target Protein: Tal1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

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

Entrez Gene: 6886

Swiss Prot: P17542

Source: KLH conjugated synthetic peptide derived from human Tal1: 185-300/331.

Purification: affinity purified by Protein A

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.

### PRODUCT SPECIFIC PUBLICATIONS

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[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