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Datasheet for ABIN7179878  
**anti-TAL1 antibody (AA 1-324)**

1 Image

### Overview

Quantity:	100 µg
Target:	TAL1
Binding Specificity:	AA 1-324
Reactivity:	Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	Recombinant Zebrafish T-cell acute lymphocytic leukemia protein 1 homolog protein (1-324AA)
Isotype:	IgG
Cross-Reactivity:	Zebrafish (Danio rerio)
Purification:	>95%, Protein G purified

### Target Details

Target:	TAL1
Alternative Name:	tal1 ( <a href="#">TAL1 Products</a> )
Background:	Background: Transcription factor that plays a pivotal role in hemopoietic and endothelial development, acting synergistically with lmo2 and downstream of clo. Specifies mesodermal

## Target Details

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precursors to a hemangioblast cell fate. Hemangioblasts are bipotential precursors of blood and endothelium, and in the absence of hemopoietic induction cues such as gata1, tal1/scl-lmo2-induced hemangioblasts differentiate into endothelial cells. Isoform alpha and isoform beta are redundant for the initiation of primitive hemopoiesis but have distinct roles in the regulation of primitive erythroid differentiation and definitive hemopoietic stem cell specification, most likely due to differences in expression levels. Specification of definitive hemopoietic stem cells requires isoform beta. DNA binding is required for erythroid maturation, but not for its other hemopoietic functions. Endothelial roles include development of the dorsal aorta, the site of definitive hemopoiesis in the embryo. Required for angiogenesis but not angioblast specification. Has an additional role in endocardium formation during heart development. May play a role in central nervous system development.

Aliases: tal1 antibody, scl antibody, tal-1 antibody, si:ch211-135j1.3 antibody, T-cell acute lymphocytic leukemia protein 1 homolog antibody, TAL-1 antibody, Stem cell protein antibody, zSCL antibody

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UniProt: [O93507](#)

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Pathways: [Stem Cell Maintenance](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:500-1:5000,

Restrictions: For Research Use only

## Handling

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Format: Liquid

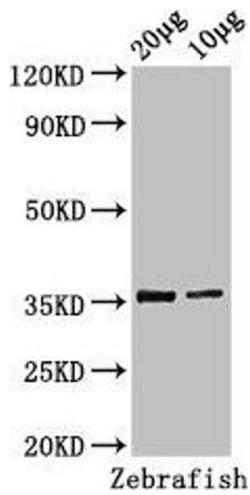
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Western Blotting

**Image 1.** Western Blot Positive WB detected in: Zebrafish tissue 20 µg, 10 µg All lanes: tal1 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 36, 23 kDa Observed band size: 36 kDa