

**Anti-Tal1 Picoband Antibody**  
**Catalog # ABO12904****Specification**

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**Anti-Tal1 Picoband Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P17542</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Tal1 detection. Tested with WB, Direct ELISA in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Tal1 Picoband Antibody - Additional Information**

**Gene ID** 6886

**Other Names**

T-cell acute lymphocytic leukemia protein 1, TAL-1, Class A basic helix-loop-helix protein 17, bHLHa17, Stem cell protein, T-cell leukemia/lymphoma protein 5, TAL1, BHLHA17, SCL, TCL5

**Application Details**

Western blot, 0.1-0.5 µg/ml<br> Direct ELISA, 0.1-0.5 µg/ml<br>

**Subcellular Localization**

Nucleus.

**Tissue Specificity**

Leukemic stem cell.

**Contents**

Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

E. coli-derived human Tal1 recombinant protein (Position: Y174-D259).

**Cross Reactivity**

No cross reactivity with other proteins.

**Storage**

At -20°C; for one year. After r° Constitution, at 4°C; for one month. It°Can also be aliquotted and stored frozen at -20°C; for a longer time. Avoid repeated freezing and

thawing.

## Anti-Tal1 Picoband Antibody - Protein Information

**Name** TAL1

**Synonyms** BHLHA17, SCL, TCL5

### Function

Implicated in the genesis of hemopoietic malignancies. It may play an important role in hemopoietic differentiation. Serves as a positive regulator of erythroid differentiation (By similarity).

### Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981}.

### Tissue Location

Leukemic stem cell.

## Anti-Tal1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-Tal1 Picoband Antibody - Images

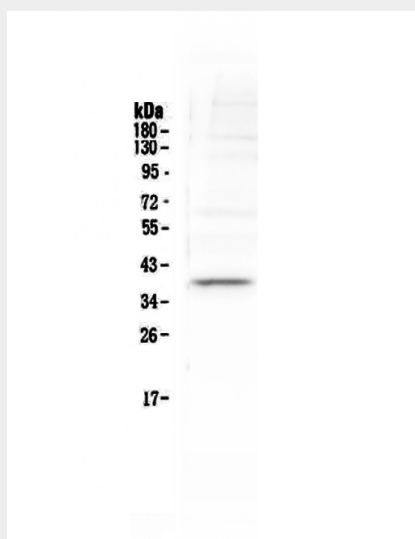


Figure 1. Western blot analysis of Tal1 using anti-Tal1 antibody (ABO12904).

**Anti-Tal1 Picoband Antibody - Background**

T-cell acute lymphocytic leukemia protein 1 is a protein that in humans is encoded by the TAL1 gene. The protein encoded by TAL1 is a basic helix-loop-helix transcription factor. TAL1 is a transcriptionally complex gene that is expressed throughout development, activating or repressing transcription in hematopoietic, neural, and endothelial precursors. This gene is mapped to chromosome 1p33.