

TAL1 / SCL LS-C182473 Antibody

Catalog No: #48340

Package Size: #48340-1 50ul #48340-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

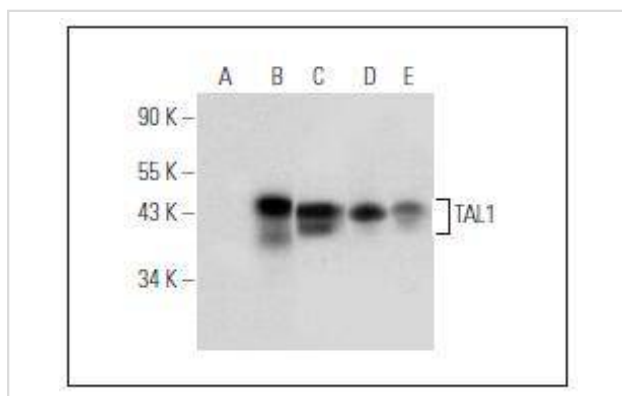
Description

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| Product Name | TAL1 / SCL LS-C182473 Antibody |
| Host Species | Mouse |
| Clonality | Monoclonal |
| Clone No. | 4G1 |
| Purification | ProA affinity purified |
| Applications | WB, IP, IF |
| Species Reactivity | Hu, Ms, Rt |
| Immunogen Description | peptide |
| Other Names | bHLHa17 antibody Class A basic helix-loop-helix protein 17 antibody OTTHUMP0000009563 antibody OTTHUMP0000009564 antibody SCL antibody STEM CELL LEUKEMIA HEMATOPOIETIC TRANSCRIPTION FACTOR antibody Stem cell protein antibody T cell acute lymphocytic leukemia 1 antibody T cell acute lymphocytic leukemia 1 protein antibody T cell acute lymphocytic leukemia 1 protein antibody T cell leukemia/lymphoma 5 protein antibody T-cell acute lymphocytic leukemia protein 1 antibody T-cell leukemia/lymphoma protein 5 antibody Tal 1 antibody Tal 1 product antibody TAL 1 protein antibody TAL-1 antibody tal1 antibody TAL1_HUMAN antibody TCL 5 antibody TCL5 antibody |
| Accession No. | Swiss-Prot#:P17542 |
| Uniprot | P17542 |
| GeneID | 6886; |
| Calculated MW | 42kDa |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

Application Details

WB: 1:100-1:1,000IP: 1-2 µg per 100-500 µg of total protein(1 ml of cell lysate)

Images



Western blot analysis of TAL1 expression in non-transfected (A) and human TAL1 transfected (B) 293T whole cell lysates and CCRF-CEM (C), Jurkat (D) and K-562 (E) nuclear extracts.

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 coexpression of TAL1 and the catalytic subunit of casein kinase II α , a serine/ threonine protein kinase known to modulate the activity of other β HLH transcription factors.

References

Note: This product is for in vitro research use only