

TAL1 / SCL LS-C182473 Antibody

Catalog No: #48340

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

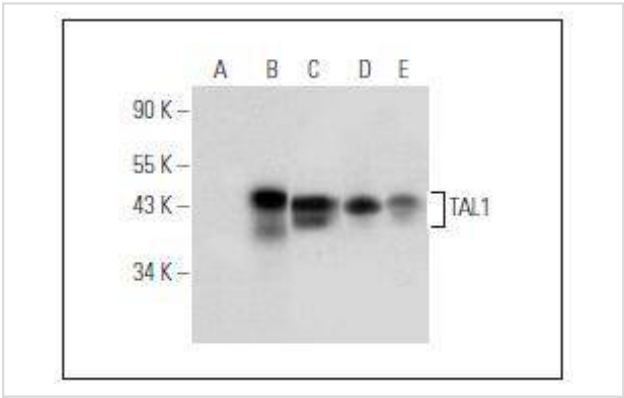
Description

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
Conjugates	Unconjugated
Other Names	bHLHa17 antibody Class A basic helix-loop-helix protein 17 antibody OTTHUMP00000009563 antibody OTTHUMP00000009564 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
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 and is not intended for use in humans or animals.