

Anti-TAL-1 Antibody (7H409)

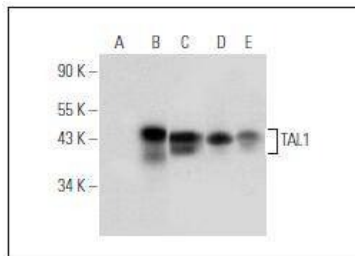
Product Details

Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 42 kDa.
Clone:	7H409
Purification:	ProA affinity purified

Applications

Verified Activity:

1. 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.



Application: IF,IP,WB

Recommended WB: 1:100-1000; IP: 1-2 µg per 100-500 µg of total protein(1 ml of cell lysate)

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Peptide

Uniprot ID: P17542

Synonyms: TAL1_HUMAN;OTTHUMP0000009564;bHLHa17;T cell leukemia/lymphoma 5 protein;T-cell leukemia/lymphoma protein 5;OTTHUMP0000009563;T cell acute lymphocytic leukemia 1 protein;TAL 1 protein;Class A basic helix-loop-helix protein 17;Tal 1;T-cell acute lymphocytic leukemia protein 1;T cell acute lymphocytic leukemia 1;tal1;TCL 5;Stem cell protein;STEM CELL LEUKEMIA HEMATOPOIETIC TRANSCRIPTION FACTOR;SCL;Tal 1 product;TCL5

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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