Human SCL/Tal1 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3360

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SCL in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human SCL Arg199-Gly266 Accession # P17542
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

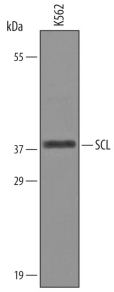
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Immunocytochemistry	5-15 µg/mL	Immersion fixed HUVEC human umbilical vein endothelial cells

DATA

Western Blot



Detection of Human SCL/Tal1 by Western Blot. Western blot shows lysates of K562 human chronic myelogenous leukemia cell line. PVDF Membrane was probed with 1 µg/mL of Goat Anti-Human SCL/Tal1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3360) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for SCL/Tal1 at approximately 40 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

SCL, also known as TAL-1 (T-cell Acute Lymphocytic Leukemia-1 protein), is a 40 kDa basic helix-loop-helix transcription factor. It regulates hematopoiesis, angiogenesis and erythrocyte maturation. Activation of SCL by chromosomal translocation may be a cause of some T-cell acute lymphoblastic leukemia. Two alternative splice variants lacking the first 25 or 175 amino acid residues also exist. Human and mouse SCL share 93% amino acid sequence identity.

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