TAL1 (Acetyl-K221/K222) polyclonal antibody

Catalog: BS64094 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Activation of TAL1 characterizes up to 60% ofcases of human T cell acute lymph oblastic leukemia,making it themost frequent gain-of-function mutation observed in this disorder. TAL1 (also designated SCL) is a serine phospho protein and basic helixx-loop-helixtranscription factorknown 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, leukemogenesisis accelerated dramat-ically bytransgenic coexpression of TAL1 and the cata-lyticsubunit ofcasein kinase IIα, a serine/threonine protein kinase known tomodulate the activity of other βHLH transcription factors.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 34 kDa

Swiss-Prot:

P17542/Q16559

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

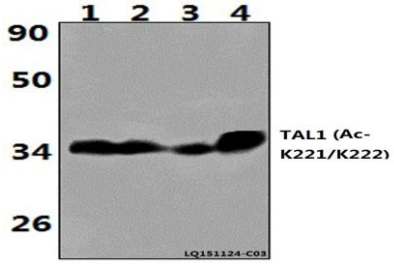
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

TAL1 (Acetyl-K221/K222) polyclonal antibody detects endogenous levels of TAL1 protein only when acetylated at Lys221 and Lys222. This antibody also recognizes TAL2 protein when acetylated at Lys36 and Lys37.

DATA:



Western blot (WB) analysis of TAL1 (Acetyl-K221/K222) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:C6 whole cell lysate(40ug))

Lane3:PC12 whole cell lysate(40ug)

Lane4:MCF-7 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151