

## TAL1/2 (Acetyl Lys221/Acetyl Lys222/Acetyl Lys36/Acetyl Lys37) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP01689
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthesized acetyl-peptide derived from human TAL1/2 around the acetylation site of K221.
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	T-cell acute lymphocytic leukemia protein 1 homolog
<b>Synonyms</b>	T-cell acute lymphocytic leukemia protein 1 homolog/T-cell acute lymphocytic leukemia protein 2; TAL1; BHLHA17; SCL; TCL5; T-cell acute lymphocytic leukemia protein 1; TAL-1; Class A basic helix-loop-helix protein 17; bHLHa17; Stem cell protein; T-cell leukemia/lymphoma protein 5; TAL2; BHLHA19; T-cell acute lymphocytic leukemia protein 2; TAL-2; Class A basic helix-loop-helix protein 19; bHLHa19

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

alternative products:The splicing pattern is cell-lineage dependent|disease:A chromosomal aberration involving TAL1 may be a cause of some T-cell acute lymphoblastic leukemias (T-ALL). Translocation t(1;14)(p32;q11) with T-cell receptor alpha chain (TCRA) genes.|The helix-loop-helix domain is necessary and sufficient for the interaction with DRG1.|Implicated in the genesis of hemopoietic malignancies. It may play an important role in hemopoietic differentiation. Serves as a positive regulator of erythroid differentiation.|PTM:Phosphorylated on serine residues. Phosphorylation of Ser-122 is strongly stimulated by hypoxia.|PTM:Ubiquitinated; subsequent to hypoxia-dependent phosphorylation of Ser-122| ubiquitination targets the protein for rapid degradation via the ubiquitin system. This process may be characteristic for microvascular endothelial cells| since it could not be observed in large vessel endothelial cells.|Contains 1 basic helix-loop-helix (bHLH) domain.|subunit:Efficient DNA binding requires dimerization with another bHLH protein. Forms heterodimers with TCF3. Binds to the LIM domain containing protein LMO2 and to DRG1. Can assemble in a complex with LDB1 and LMO2. Component of a TAL-1 complex composed at least of CBFA2T3| LDB1| TAL1 and TCF3.|tissue specificity:Leukemic stem cell.|

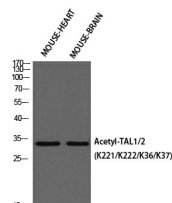
### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

### Images



Western blot analysis of MOUSE-HEART MOUSE-BRAIN using Acetyl-TAL1/2 (K221/K222/K36/K37) antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000

## Storage

-20°C for 1 year

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