

Anti-TAL1 antibody



Description	Rabbit polyclonal to TAL1.
Model	STJ95903
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human TAL1 around the non-phosphorylation site of S122.
Immunogen Region	70-150 aa
Gene ID	6886
Gene Symbol	TAL1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	TAL1 Polyclonal Antibody detects endogenous levels of TAL1 protein.
Tissue Specificity	Leukemic stem cell.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	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
Molecular Weight	45 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11556OMIM:187040
Alternative Names	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
Function	Implicated in the genesis of hemopoietic malignancies. It may play an important role in hemopoietic differentiation. Serves as a positive regulator of erythroid differentiation .
Sequence and Domain Family	The helix-loop-helix domain is necessary and sufficient for the interaction with DRG1.
Cellular Localization	Nucleus
Post-translational Modifications	Phosphorylated on serine residues. Phosphorylation of Ser-122 is strongly stimulated by hypoxia . 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 .