

## Rabbit Anti-phospho-RUNX1 (Ser249) antibody

## SL3023R

Product Name:	phospho-RUNX1 (Ser249)
Chinese Name:	磷酸化急性髓细胞白血病1蛋白抗体
Alias:	RUNX1 (phospho-Ser249); p-RUNX1 (Ser249); RUNX1 (phospho S249); RUNX1 (phospho Ser249); Acute myeloid leukemia 1; Acute myeloid leukemia 1 protein; alpha subunit core binding factor; AML 1; AML1 EVI 1; AML1; Aml1 oncogene; AMLCR 1; AMLCR1; CBFA 2; CBFA2; Core binding factor alpha 2 subunit; Core binding factor runt domain alpha subunit 2; EVI 1; EVI1; HGNC; Oncogene AML 1; PEA2 alpha; PEBP2 alpha B; PEBP2A2; PEBP2aB; Polyomavirus enhancer binding protein 2 alpha B subunit; Run1; Runt related transcription factor 1; RUNX 1; SL3 3 enhancer factor 1 alpha B subunit; SL3/AKV core binding factor alpha B subunit; RUNX1_HUMAN.
	D-11:4
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat, Dog, Pig, Cow, Rabbit, Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100- 500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	50kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human RUNX1 around the phosphorylation site of Ser249:QP(p-S)PP
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

Phosphorylated in Ser-249 Thr-273 and Ser-276 by HIPK2 when associated with CBFB and DNA. This phosphorylation promotes subsequent EP300 phosphorylation.

## **DISEASE:**

Note=A chromosomal aberration involving RUNX1/AML1 is a cause of chronic myelogenous leukemia (CML). Translocation t(3;21)(q26;q22) with EAP or MECOM. Note=A chromosomal aberration involving RUNX1/AML1 is found in childhood acute lymphoblastic leukemia (ALL). Translocation t(12;21)(p13;q22) with TEL. The translocation fuses the 3'-end of TEL to the alternate 5'-exon of AML-1H. Note=A chromosomal aberration involving RUNX1 is found in acute leukemia. Translocation t(11,21)(q13;q22) that forms a MACROD1-RUNX1 fusion protein. Defects in RUNX1 are the cause of familial platelet disorder with associated myeloid malignancy (FPDMM) [MIM:601399]. FPDMM is an autosomal dominant disease characterized by qualitative and quantitative platelet defects, and propensity to develop acute myelogenous leukemia.

Note=A chromosomal aberration involving RUNX1/AML1 is found in therapy-related myeloid malignancies. Translocation t(16;21)(q24;q22) that forms a RUNX1-CBFA2T3 fusion protein.

Note=A chromosomal aberration involving RUNX1/AML1 is a cause of chronic myelomonocytic leukemia. Inversion inv(21)(q21;q22) with USP16.

Similarity: Contains 1 Runt domain.

SWISS: 001196

Gene ID: 861

Database links:

Entrez Gene: 861Human

Entrez Gene: 12394Mouse

Entrez Gene: 50662Rat

<u>Omim: 151385</u>Human

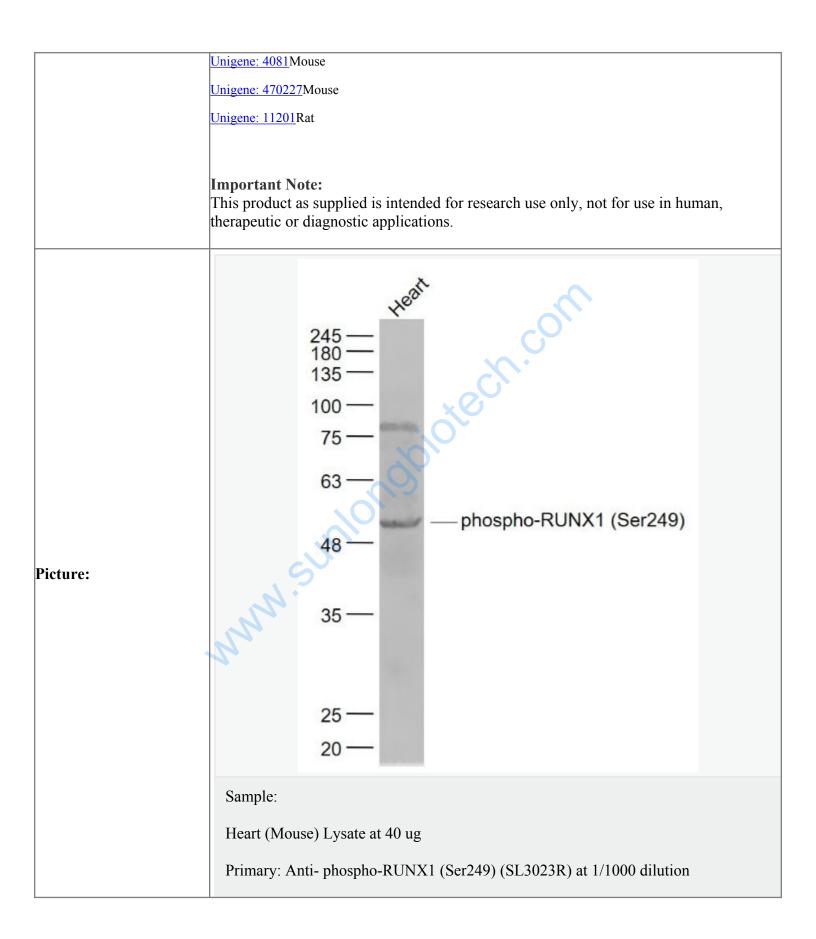
SwissProt: Q01196Human

SwissProt: Q03347Mouse

<u>SwissProt: Q63046</u>Rat

Unigene: 149261Human

Unigene: 612648Human



Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50 kD
Observed band size: 50 kD

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