

## Product datasheet for **TA392898**

### **RUNX1 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB: 1:500~1:1000
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Synthetic phosphopeptide derived from human RUNX1 around the phosphorylation site of Serine 249.
<b>Specificity:</b>	RUNX1 (phospho-S249) polyclonal antibody detects endogenous levels of RUNX1 protein only when phosphorylated at Ser249.
<b>Formulation:</b>	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
<b>Concentration:</b>	1mg/ml
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
<b>Stability:</b>	1 year
<b>Predicted Protein Size:</b>	~ 55 kDa
<b>Gene Name:</b>	runt related transcription factor 1
<b>Database Link:</b>	<a href="#">Entrez Gene 861 Human Q01196</a>
<b>Background:</b>	AML1 (also known as Runx1, CBFA2, and PEBP2αB) is a member of the core binding factor (CBF) family of transcription factors. It is required for normal development of all hematopoietic lineages. AML1 forms a heterodimeric DNA binding complex with its partner protein CBFβ and regulates the expression of cellular genes by binding to promoter and enhancer elements. AML1 is commonly translocated in hematopoietic cancers: chromosomal translocations include t(8;21) AML1-ETO, t(12;21) TEL-AML, and t(8;21) AML-M2. Phosphorylation of AML1 on several potential serine and threonine sites, including Ser249, is thought to occur in an Erk-dependent manner.

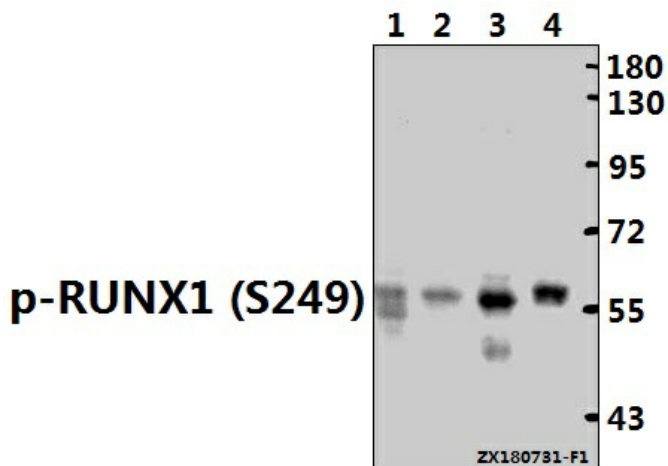


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**Synonyms:** Acute myeloid leukemia 1 protein; AML1; CBF-alpha-2; CBFA2; Core-binding factor subunit alpha-2; Oncogene AML-1; PEA2-alpha B; PEBP2-alpha B; Polyomavirus enhancer-binding protein 2 alpha B subunit; Runt-related transcription factor 1; RUNX1; SL3-3 enhancer factor 1 alpha B subunit; SL3/AKV core-binding factor alpha B subunit

**Note:** For research use only, not for use in diagnostic procedure.

**Product images:**



Western blot (WB) analysis of p-RUNX1 (S249) pAb at 1:500 dilution Lane1:3T3-L1 whole cell lysate(40ug) Lane2:The Thymus tissue lysate of Rat(40ug) Lane3:K562 whole cell lysate(40ug) Lane4:Myla2059 whole cell lysate(40ug)