

## Product datasheet for **AP55801PU-S**

### **RUNX1 pSer435 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1:500~1:1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of Serine 435( S-N-S(p)-P-T) derived from Human AML1 (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of AML1 only when phosphorylated at serine 435.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	53 kDa
Gene Name:	runt related transcription factor 1
Database Link:	<a href="#">Entrez Gene 861 Human Q01196</a>



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**Background:**

CBF binds to the core site, 5'-PYGPGGT-3', of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, LCK, IL-3 and GM-CSF promoters. The alpha subunit binds DNA and appears to have a role in the development of normal hematopoiesis. Isoform AML-1L interferes with the transactivation activity of RUNX1. Acts synergistically with ELF4 to transactivate the IL-3 promoter and with ELF2 to transactivate the mouse BLK promoter. Inhibits MYST4-dependent transcriptional activation.

**Synonyms:**

Runt-related transcription factor, 1, AML1, AML-1, AMLCR1, Acute myeloid leukemia 1 protein, AML1-EVI-1, EVI-1, CBFA2, CBF-alpha-2, PEA2-alpha B, PEBP2-alpha B, PEBP2A2

**Product images:**