

Product datasheet for AP55801PU-S

Product datasineet for AP3360 IPO-3

RUNX1 pSer435 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WE

Recommended Dilution: Western blot: 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 Mg2+ and Ca2+), 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: Entrez Gene 861 Human

Q01196



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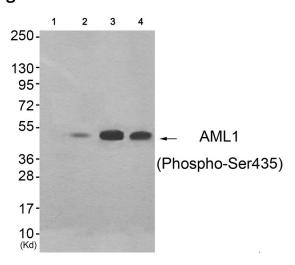
Background:

CBF binds to the core site, 5'-PYGPYGGT-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:



Western blot analysis of extracts from 293 cells (Lane 2), HeLa cells (Lane 3) and HepG2 cells (Lane 4), using AML1 (Phospho-Ser435) Antibody. The lane on the left is treated with antigenspecific peptide.