AML1 (Ab-435) Antibody

Catalog No: #33271

Package Size: #33271-1 50ul #33271-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

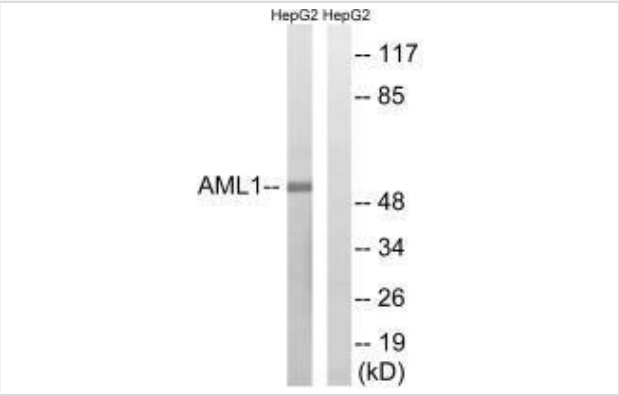
Description

Product Name	AML1 (Ab-435) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total AML1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human AML1 around the phosphorylation site of serine 435 (S-N-S(p)-P-T).
Target Name	AML1
Other Names	Acute myeloid leukemia 1 protein; CBF-alpha 2; CBFA2; Core-binding factor; alpha 2 subunit
Accession No.	Swiss-Prot: Q01196NCBI Gene ID: 861
Uniprot	Q01196
GeneID	861;
SDS-PAGE MW	53kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

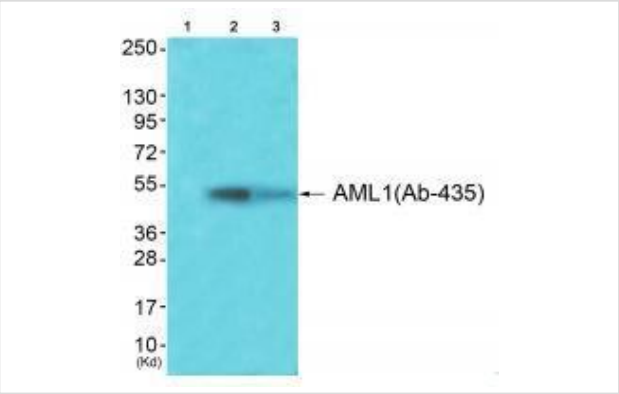
Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from HepG2 cells, treated with PMA (125ng/ml, 30mins), using AML1 (Ab-435) antibody #33271.



Western blot analysis of extracts from 293 cells (Lane 2) and Hela cells (Lane 3), using AML1 (Ab-435) antiobdy #33271. The lane on the left is treated with synthesized peptide.

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 KAT6B-dependent transcriptional activation.

Miyoshi H., Proc. Natl. Acad. Sci. U.S.A. 88:10431-10434(1991).

Sacchi N., Genes Chromosomes Cancer 11:226-236(1994).

Nucifora G., Blood 81:2728-2734(1993).

Note: This product is for in vitro research use only