

AML1 (Phospho-Ser435) Antibody

Catalog No: #11783

Package Size: #11783-1 50ul #11783-2 100ul

Orders: order@signalwayantibody.com

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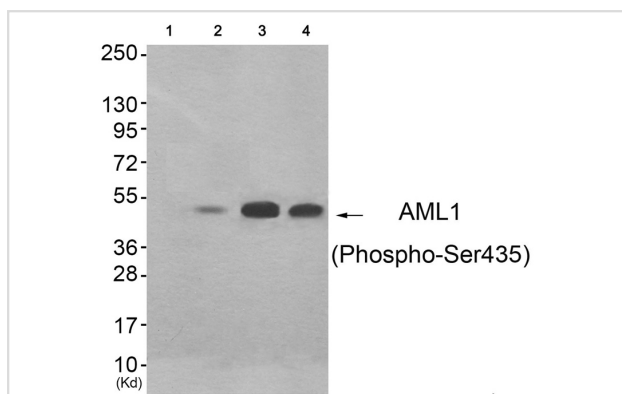
Description

Product Name	AML1 (Phospho-Ser435) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of AML1 only when phosphorylated at serine 435.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 435(S-N-S(p)-P-T) derived from Human AML1.
Target Name	AML1
Modification	Phospho
Other Names	Acute myeloid leukemia 1 protein; CBFA2; CBFA2; alpha 2 subunit; RUNX1
Accession No.	Swiss-Prot#: Q01196; NCBI Gene#: 861; NCBI Protein#: NP_001001890.1.
Uniprot	Q01196
GeneID	861;
SDS-PAGE MW	53kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

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 #11783. The lane on the left is treated with antigen-specific 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 MYST4-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