

AML1 (Phospho-Ser435) Antibody

Catalog No: #11783

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

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

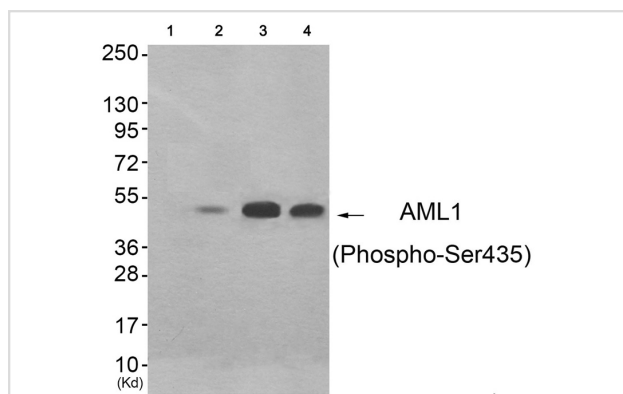
Description

| | |
|-----------------------|---|
| 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 Mg2+ and Ca2+), 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