abcam

Product datasheet

# Anti-RUNX1 / AML1 antibody ab35962

8 Abreviews 15 References 画像数 2

## 製品の概要

| | |
|---|---|
| **製品名** | Anti-RUNX1 / AML1 antibody |
| **製品の詳細** | Rabbit polyclonal to RUNX1 / AML1 |
| **由来種** | Rabbit |
| **アプリケーション** | **適用あり:** WB |
| **種交差性** | **交差種:** Human<br>**交差が予測される動物種:** Mouse, Rat, Chicken |
| **免疫原** | Synthetic peptide conjugated to KLH derived from within residues 400 to the C-terminus of Human RUNX1/ AML1.Immunogen の所有権に関して(Peptide available as **ab38695**.) |
| **特記事項** | The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.<br>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As |

## 製品の特性

| | |
|---|---|
| **製品の状態** | Liquid |
| **保存方法** | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| **バッファー** | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituent: PBS<br><br>Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help. |
| **精製度** | Immunogen affinity purified |
| **ポリ/モノ** | ポリクローナル |
| **アイソタイプ** | IgG |

## アプリケーション

**The Abpromise guarantee** **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab35962の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項 |
|---|---|---|
| WB | (2) | Use a concentration of 0.25 µg/ml. Detects a band of approximately 53 kDa (predicted molecular weight: 49 kDa). |

## ターゲット情報

**機能**

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.

**組織特異性**

Expressed in all tissues examined except brain and heart. Highest levels in thymus, bone marrow and peripheral blood.

**関連疾患**

Note=A chromosomal aberration involving RUNX1/AML1 is a cause of M2 type acute myeloid leukemia (AML-M2). Translocation t(8;21)(q22;q22) with RUNX1T1.
Note=A chromosomal aberration involving RUNX1/AML1 is a cause of therapy-related myelodysplastic syndrome (T-MDS). Translocation t(3;21)(q26;q22) with EAP or MECOM.
Note=A chromosomal aberration involving RUNX1/AML1 is a cause of chronic myelogenous leukemia (CML). Translocation t(3;21)(q26;q22) with EAP or MECOM.
Note=A chromosomal aberration involving RUNX1/AML1 is found in childhood acute lymphoblastic leukemia (ALL). Translocation t(12;21)(p13;q22) with TEL. The translocation fuses the 3'-end of TEL to the alternate 5'-exon of AML-1H.
Note=A chromosomal aberration involving RUNX1 is found in acute leukemia. Translocation t(11,21)(q13;q22) that forms a MACROD1-RUNX1 fusion protein.
Defects in RUNX1 are the cause of familial platelet disorder with associated myeloid malignancy (FPDMM) [MIM:601399]. FPDMM is an autosomal dominant disease characterized by qualitative and quantitative platelet defects, and propensity to develop acute myelogenous leukemia.
Note=A chromosomal aberration involving RUNX1/AML1 is found in therapy-related myeloid malignancies. Translocation t(16;21)(q24;q22) that forms a RUNX1-CBFA2T3 fusion protein.
Note=A chromosomal aberration involving RUNX1/AML1 is a cause of chronic myelomonocytic leukemia. Inversion inv(21)(q21;q22) with USP16.

**配列類似性**

Contains 1 Runt domain.

**ドメイン**

A proline/serine/threonine rich region at the C-terminus is necessary for transcriptional activation of target genes.

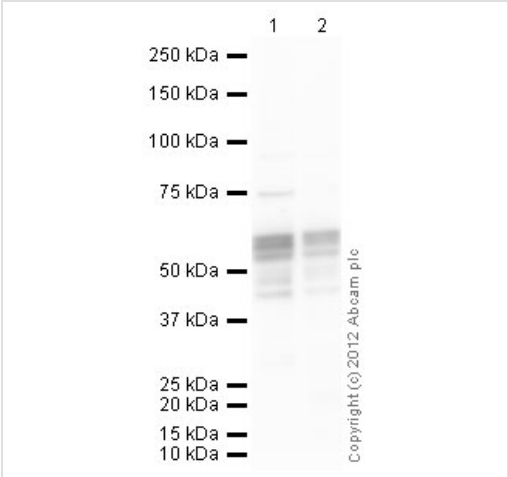
**翻訳後修飾**

Phosphorylated in its C-terminus upon IL-6 treatment. Phosphorylation enhances interaction with MYST3.
Methylated.

**細胞内局在**

Nucleus.

## 画像




Western blot - Anti-RUNX1 / AML1 antibody (ab35962)

**All lanes :** Anti-RUNX1 / AML1 antibody (ab35962) at 1 µg/ml

**Lane 1 :** Jurkat nuclear extract lysate (**ab14844**)
**Lane 2 :** MOLT4 (Human acute lymphoblastic leukemia cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

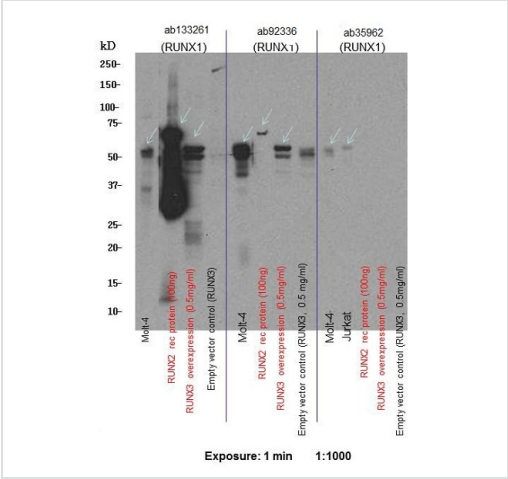
**Secondary**
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 49 kDa
**Observed band size:** 52,54,55 kDa
**Additional bands at:** 47 kDa, 75 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 10 seconds




Western blot - Anti-RUNX1 / AML1 antibody (ab35962)

RUNX2 recombinant protein full length, with N-terminal HIS tag, expressed in E.Coli.

RUNX3 overexpression and empty vector control lysates created in HEK293T cells. The protein contains a C-terminal DDK tag.

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