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Product datasheet

Anti-RUNX1 / AML1 antibody ab23980

★★★★★ 14 Abreviews 149 References 画像数 1

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

交差が予測される動物種: Rat 🔷

免疫原 Synthetic peptide corresponding to Human RUNX1/ AML1 aa 200-300 conjugated to keyhole

limpet haemocyanin.

(Peptide available as ab24287)

特記事項 Antibody batches of a concentration <1mg/ml will have BSA added to them.

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.

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

Preservative: 0.02% Sodium azide

Constituent: PBS

精製度 Immunogen affinity purified

ポリ/モノ ポリクローナル

アイソタイプ lqG

1

The Abpromise guarantee <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab23980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	★ ★ ★ ★ ★ (6)	Use a concentration of 1 µg/ml. Detects a band of approximately 52 kDa (predicted molecular weight: 48 kDa).

ターゲット情報

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

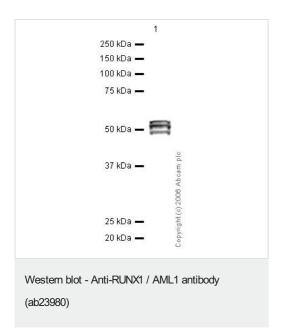
${\bf Phosphorylated\ in\ its\ C-terminus\ upon\ L-6\ treatment.\ Phosphorylation\ enhances\ interaction\ with\ the phosphorylation\ enhances\ interaction\ the phosphorylation\ enhances\ interaction\ the phosphorylation\ enhances\ interaction\ the phosphorylation\ enhances\ en$

MYST3.
Methylated.

細胞内局在

Nucleus.

画像



Anti-RUNX1 / AML1 antibody (ab23980) at 1 μ g/ml + Jurkat nuclear extract lysate (ab14844) at 20 μ g

Secondary

Rabbit IgG secondary antibody (ab28446) at 1/10000 dilution

Predicted band size: 48 kDa

Observed band size: 48,52,55 kDa

This antibody recognized three distinct bands of between 48 and 55 kDa in Jurkat nuclear lysate. These may represent distinct isoforms of Runx1 or may represent post-translationally modified forms.

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