abcam

Product datasheet

Recombinant Human RUNX2 protein ab112259

画像数 1

製品の詳細

製品名	Recombinant Human RUNX2 protein
発現系	Wheat germ
アクセッション番号	Q13950
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	TSPSIHSTTPLSSTRGTGLPAITDVPRRISDDDTATSDFCLW PSTLSKKS QAGASELGPFSDPRQFPSISSLTESRFSNPRMHYPATFTYTP PVTSGMSL GMSATTHYHTYLPPPYPGSSQSQSGPFQTSSTPYLYYGTS
予測される分子量	41 kDa
領域	311 to 450
タグ	GST tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab112259** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	ELISA Western blot SDS-PAGE
製品の状態	Liquid

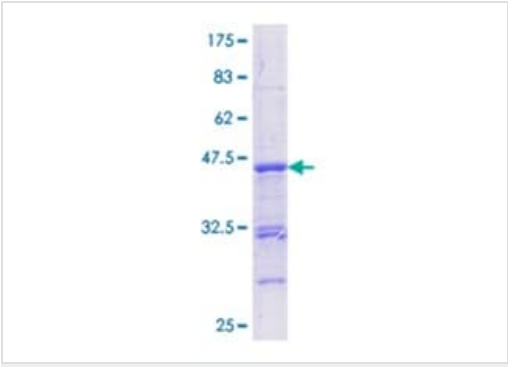
前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

関連情報

機能	Transcription factor involved in osteoblastic differentiation and skeletal morphogenesis. Essential for the maturation of osteoblasts and both intramembranous and endochondral ossification. 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, osteocalcin, osteopontin, bone sialoprotein, alpha 1(I) collagen, LCK, IL-3 and GM-CSF promoters (By similarity). Inhibits MYST4-dependent transcriptional activation.
組織特異性	Specifically expressed in osteoblasts.
関連疾患	Defects in RUNX2 are the cause of cleidocranial dysplasia (CLCD) [MIM:119600]; also known as cleidocranial dysostosis (CCD). CLCD is an autosomal dominant skeletal disorder with high penetrance and variable expressivity. It is due to defective endochondral and intramembranous bone formation. Typical features include hypoplasia/aplasia of clavicles, patent fontanelles, wormian bones (additional cranial plates caused by abnormal ossification of the calvaria), supernumerary teeth, short stature, and other skeletal changes. In some cases defects in RUNX2 are exclusively associated with dental anomalies.
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 and contains the phosphorylation sites.
翻訳後修飾	Phosphorylated; probably by MAP kinases (MAPK) (By similarity). Isoform 3 is phosphorylated on Ser-340.
細胞内局在	Nucleus.

画像



SDS-PAGE - Recombinant Human RUNX2 protein (ab112259)

Coomassie blue stained 12.5% SDS page analysis of ab112259

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