abcam

Product datasheet

Anti-RUNX2 antibody ab48812

1 Abreviews　画像数 1

製品の概要

製品名	Anti-RUNX2 antibody
製品の詳細	Rabbit polyclonal to RUNX2
由来種	Rabbit
特異性	This antibody is specific for RUNX2
アプリケーション	**適用あり:** ELISA, WB
種交差性	**交差種:** Human **交差が予測される動物種:** Mouse, Rat, Chicken, Cow, Dog
免疫原	A region within synthetic peptide: RQKLDDSKPS LFSDRLSDLG RIPHPSMRVG VPPQNPRPSL NSAPSPFNPQ, corresponding to internal sequence amino acids 217-266 of Human RUNX2 Run BLAST with ExPASy　Run BLAST with NCBI
ポジティブ・コントロール	HepG2 cell lysate

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: None Constituents: 2% Sucrose, PBS
精製度	Protein A 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

Our Abpromise guarantee covers the use of **ab48812** in the following tested applications.

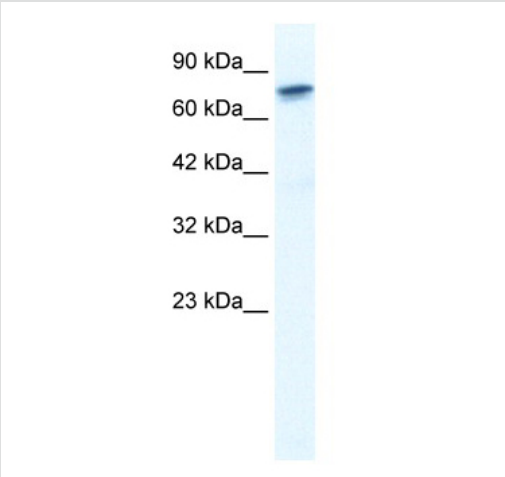
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ELISA		1/312500.
WB	★★★★☆	Use a concentration of 1.25 µg/ml. Detects a band of approximately 80 kDa (predicted molecular weight: 56 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

ターゲット情報

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



Western blot - Anti-RUNX2 antibody (ab48812)

Anti-RUNX2 antibody (ab48812) at 1.25 µg/ml
+ HepG2 cell lysate at 10 µg

Secondary
HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 56 kDa
Observed band size: 80 kDa

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