

Product datasheet

Anti-Osteocalcin antibody [OCG4] ab13421

6 References 1 图像

概述

产品名称	Anti-Osteocalcin抗体[OCG4]
描述	小鼠单克隆抗体[OCG4] to Osteocalcin
经测试应用	适用于: ELISA, WB, IHC-Fr, IHC-P, ICC/IF
种属反应性	与反应: Sheep, Rabbit, Goat, Chicken, Cow, Dog, Human, Pig 不与反应: Mouse, Rat
免疫原	Full length protein corresponding to Cow Osteocalcin. Database link: P02820
表位	Residues 21-31
阳性对照	ICC/IF: SKNSH cells.
常规说明	Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause.

性能

形式	Liquid
存放说明	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.
存储溶液	Preservative: 0.1% Sodium Azide Constituents: 1% BSA, 10mM PBS, pH 7.4
纯度	Protein A purified
克隆	单克隆
克隆编号	OCG4
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab13421** in the following tested applications.

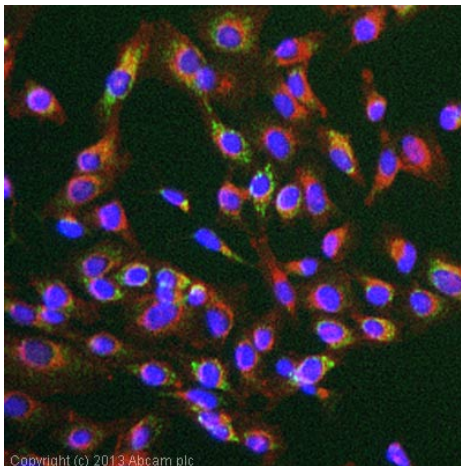
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		1/1 - 1/10.
WB		Use a concentration of 1 - 10 µg/ml. Predicted molecular weight: 11 kDa.
IHC-Fr		Use a concentration of 1 - 10 µg/ml.
IHC-P		Use a concentration of 1 - 10 µg/ml.
ICC/IF		Use at an assay dependent concentration. PubMed: 16820635

靶标

功能	Constitutes 1-2% of the total bone protein. It binds strongly to apatite and calcium.
序列相似性	Belongs to the osteocalcin/matrix Gla protein family. Contains 1 Gla (gamma-carboxy-glutamate) domain.
翻译后修饰	Gamma-carboxyglutamate residues are formed by vitamin K dependent carboxylation. These residues are essential for the binding of calcium.
细胞定位	Secreted.

图片



Immunocytochemistry/ Immunofluorescence - Anti-Osteocalcin antibody [OCG4] (ab13421)

ICC/IF image of ab13421 stained SKNSH cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab12421, 10µg/ml) overnight at +4°C. The secondary antibody (green) was ab96879, DyLight® 488 goat anti-mouse IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM

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