

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. |

性能

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|------|--|
| 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.

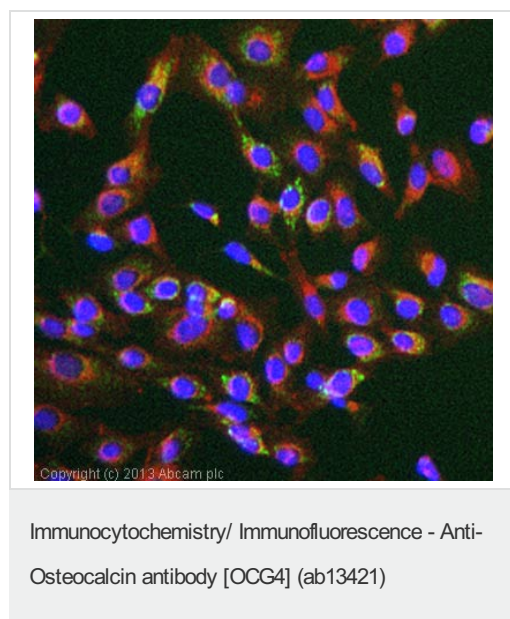
| 应用 | Ab评论 | 说明 |
|-------|------|-------------|
| ELISA | | 1/1 - 1/10. |

| 应用 | Ab评论 | 说明 |
|--------|------|--|
| 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



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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