Anti-uncarboxylated osteocalcin (ucOC) [Fab-2]

Catalogue number: 157724
Sub-type: Primary antibody
Images:

Contributor

Inventor: Kaisa Ivaska-Papaioannou ; Urpo LamminmÄ?Â¤ki
Institute: University of Turku
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-uncarboxylated osteocalcin (ucOC) [Fab-2]

Alternate name: Uncarboxylated osteocalcin, uc-Osteocalcin, uc-OC, bone gamma-carboxyglutamic acid-containing protein, BGLAP

Class: Monoclonal
Conjugate: Unconjugated
Description: Osteocalcin, also known as bone gamma-carboxyglutamic acid-containing protein (BGLAP), is a small (49-amino-acid) noncollagenous protein hormone found in bone and dentin. Osteocalcin is a bone-specific protein which contains three glutamic acid residues (Glu) that undergo post-translational gamma-carboxylation. Uncarboxylated osteocalcin (ucOC) may participate in the regulation of glucose metabolism, thus measurement of ucOC could be useful in evaluating interactions between bone and glucose ...
Purpose: Marker
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG1 kappa
Reactivity: Human
Selectivity:
Host: Human
Immunogen: Human full-length ucOC peptide (149, Glu at positions 17, 21 and 24; C23C29 bridge)
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:

Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: osteocalcin - partially carboxylated with Glu at position 17 and 21

Target alternate names:

Target background: Osteocalcin, also known as bone gamma-carboxyglutamic acid-containing protein (BGLAP), is a small (49-amino-acid) noncollagenous protein hormone found in bone and dentin. Osteocalcin is a bone-specific protein which contains three glutamic acid residues (Glu) that undergo post-translational gamma-carboxylation. Uncarboxylated osteocalcin (ucOC) may participate in the regulation of glucose metabolism, thus measurement of ucOC could be useful in evaluating interactions between bone and glucose ...

Molecular weight:

Ic50:

Applications

Application: IF ; Fn
Application notes:

Handling

Format: Liquid
Concentration: 1 mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions: -20° C
Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-uncarboxylated osteocalcin (ucOC) [Fab-16] recombinant antibody ; Anti-

uncarboxylated osteocalcin (ucOC) [Fab-13] recombinant antibody ; Anti-uncarboxylated osteocalcin (ucOC) [Fab-19] recombinant antibody ; Anti-OC [Fab-12] recombinant antibody

References

References: Arponen et al. 2020. Calcif Tissue Int. 107(6):529-542. PMID: 32839842.