
OPN Antibody Blocking Peptide

Catalog Number: bs-0019P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Osteopontin is the principal phosphorylated glycoprotein of bone and is expressed in a limited number of other tissues including dentine. Osteopontin is produced by osteoblasts under stimulation by calcitriol and binds tightly to hydroxyapatite. It is also involved in the anchoring of osteoclasts to the mineral of bone matrix via the vitronectin receptor, which has specificity for osteopontin. Osteopontin is overexpressed in a variety of cancers, including lung, breast, colorectal, stomach, ovarian, melanoma and mesothelioma.

PRODUCT SPECIFIC PUBLICATIONS

[IF=13.273] Fangyu Qiao. et al. 4-Octyl itaconate modified demineralized bone matrix scaffold improves bone repair by regulating early inflammation. Chem Eng J. 2021 Dec;425:131490 WB ; Rat . 10.1016/j.cej.2021.131490

[IF=1.785] Yongquan Huang. et al. Psoralen accelerates osteogenic differentiation of human bone marrow mesenchymal stem cells by activating the TGF- β /Smad3 pathway. Exp Ther Med. 2021 Sep;22(3):1-9 WB ; Human . 34306204