Antibodies

Data Sheet

HUMAN OSTEOPONTIN (aa 164-179)

ANTIBODY, POLYCLONAL

Catalog no.: A 4227.1 / A 4227.2

Immunogen: Synthetic human Osteopontin (aa 164-179) KLH-conjugated (QYPDATDEDITSHMES)

Synonyms: Bone sialoprotein 1, Secreted phosphoprotein 1 (SPP-1), Urinary stone protein, Nephropontin, Uropontin

Swiss-Prot No: P10451

Gene Information: Gene Name: SPP1, BNSP, OPN

Gene ID: 6696

Host: Rabbit

Matrix: Serum

Specificity: Human Osteopontin (aa 164-179)

There was no cross reactivity obtained with human Osteopontin peptide (aa 59-74), human Osteonectin, and human Bone Sialoprotein

Contents: 20 µl / 100 µl (lyophilized)

Resuspend in 20 µl / 100 µl aqua bidest.

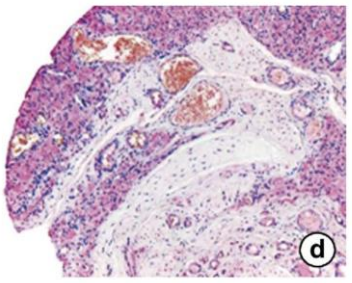

Figure 1: Immunhistochemistry image of OPN staining in paraffin sections of synovial tissue of pigmented villonodular synovitis (PVNS) patients. The section was incubated with A 4227 (1:200) for 60 min at room temperature and detected using streptavidin-biotin technique. Fast Red substrate (Dako, Hamburg; Germany) was used as chromogen. The section was counterstained with haematoxylin. **d.** A 4227 stains proliferating synovial cells. Original magnification: x 7.8.

Geldyyev A et al. (2007) Cancer Lett 255(2): 275-83.

Known applications: ELISA (1:5000), immunohistochemistry (cryosection, 1:50; paraffin sections, 1:200)[1, 2, 3]

This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.

Store at: 2-8 °C (lyophilized); - 20 °C (dissolved)

Repeated thawing and freezing must be avoided

References:

1. Geldyyev A, Koleganova N, Piecha G, Sueltmann H, Finis K, Ruschaupt M, Poustka A, Gross M-L, Berger I (2007). High expression level of bone degrading proteins as a possible inducer of osteolytic features in pigmented villonodular synovitis. *Cancer Letters* ***255***(2)**:** 275-283.

2. Gross M-L, Meyer H-P, Ziebart H, Rieger P, Wenzel U, Amann K, Berger I, Adamczak M, Schirmacher P, Ritz E (2007). Calcification of Coronary Intima and Media: Immunohistochemistry, Backscatter Imaging, and X-Ray Analysis in Renal and Nonrenal Patients. *Clinical Journal of the American Society of Nephrology* ***2***(1)**:** 121-134.

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3. Koleganova N, Piecha G, Ritz E, Schirmacher P, Muller A, Meyer H-P, Gross M-L (2009). Arterial calcification in patients with chronic kidney disease. *Nephrol Dial Transplant* ***24***(8)**:** 2488-2496.

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For research use only

Publishing research using A 4227? Please let us know so that we can cite your publication as a reference.

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