

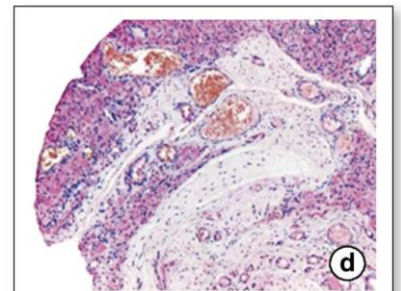


## Data Sheet

# HUMAN OSTEOPONTIN (aa 164-179)

## ANTIBODY, POLYCLONAL

<b>Catalog no.:</b>	A 4227.1 / A 4227.2
<b>Immunogen:</b>	Synthetic human Osteopontin (aa 164-179) KLH-conjugated (QYPDATDEDITSHMES)
<b>Synonyms:</b>	Bone sialoprotein 1, Secreted phosphoprotein 1 (SPP-1), Urinary stone protein, Nephropontin, Uropontin
<b>Swiss-Prot No:</b>	P10451
<b>Gene Information:</b>	Gene Name: SPP1, BNSP, OPN Gene ID: 6696
<b>Host:</b>	Rabbit
<b>Matrix:</b>	Serum
<b>Specificity:</b>	Human Osteopontin (aa 164-179)  There was no cross reactivity obtained with human Osteopontin peptide (aa 59-74), human Osteonectin, and human Bone Sialoprotein
<b>Contents:</b>	20 µl / 100 µl (lyophilized)  Resuspend in 20 µl / 100 µl aqua bidest.
<b>Known applications:</b>	ELISA (1:5000), immunohistochemistry (cryosection, 1:50; paraffin sections, 1:200) <sup>1, 2, 3</sup>  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.
<b>Store at:</b>	2-8 °C (lyophilized); - 20 °C (dissolved)  Repeated thawing and freezing must be avoided
<b>References:</b>	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. <i>Cancer Letters</i> <b>255</b> (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. <i>Clinical Journal of the American Society of Nephrology</i> <b>2</b> (1): 121-134.

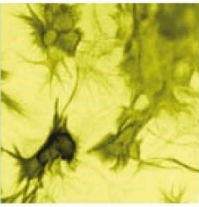
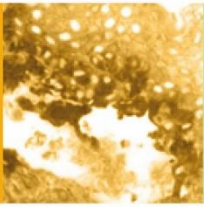


**Figure 1:** Immunohistochemistry image of OPN staining in paraffin sections of synovial tissue of pigmented villonodular synovitis (PVNS) patients. The section was incubated with A 4227 (1:200) for 60 min at room temperature and detected using streptavidin-biotin technique. Fast Red substrate (Dako, 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.



Antibodies



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.**



**Immundiagnostik AG**

Stubenwald-Allee 8a · 64625 Bensheim · Germany

Phone: +49 6251 70190-0 · Fax: +49 6251 70190-363 · dept.immunochemicals@immundiagnostik.com · www.immundiagnostik.com