

Data Sheet

HUMAN OSTEOPONTIN (aa 59-74)

ANTIBODY, POLYCLONAL

Catalog no.:	A 4226.1 / A 4226.2
Immunogen:	Synthetic human Osteopontin (aa 59-74) KLH-conjugated (PSKSNESHDMDDMDD)
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 GeneID: 6696
Host:	Rabbit
Matrix:	Serum
Specificity:	Human Osteopontin (aa 59-74), human and mouse Osteopontin There was no cross reactivity obtained with human Osteonectin and human Bone Sialoprotein

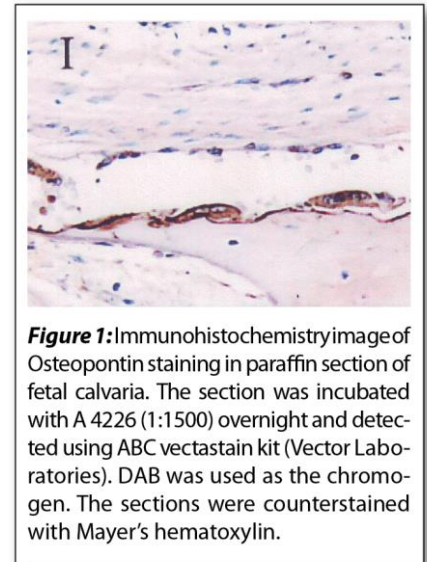


Figure 1: Immunohistochemistry image of Osteopontin staining in paraffin section of fetal calvaria. The section was incubated with A 4226 (1:1500) overnight and detected using ABC vectastain kit (Vector Laboratories). DAB was used as the chromogen. The sections were counterstained with Mayer's hematoxylin.

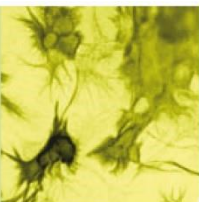
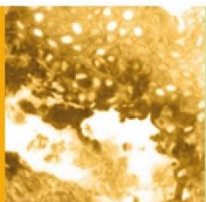
Contents:	20 µl (100 µl (lyophilized)) Resuspend in 20 µl / 100 µl aqua bidest.
Known applications:	ELISA (1:1000), immunohistochemistry (paraffin sections, 1:100 -1500) ^{2,3,4} , Western Blot
Store at:	2-8 °C (lyophilized); - 20 °C (dissolved) Repeated thawing and freezing must be avoided

References

1. Frosch KH, Barvencik F, Lohmann CH, Viereck V, Siggelkow H, Breme J, Dresing K, Stürmer KM (2002). Migration, Matrix Production and Lamellar Bone Formation of Human Osteoblast-Like Cells in Porous Titanium Implants. *Cells Tissues Organs* **170**(4): 214-227.
2. Buzello M, Tornig J, Faulhaber J, Ehmke H, Ritz E, Amann K (2003). The Apolipoprotein E Knockout Mouse: A Model Documenting Accelerated Atherogenesis In Uremia. *J Am Soc Nephrol* **14**(2): 311-316.
3. Pascaretti-Grizon F, Gaudin-Audrain C, Gallois Y, Retillaud-Gaborit N, Baslé MF, Chappard D (2007). Osteopontin is an argentophilic protein in the bone matrix and in cells of kidney convoluted tubules. *Morphologie* **91**(294): 180-185.
4. 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.



Antibodies



Last updated on: 06 April 2022

For research use only

Publishing research using A 4226? 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