Antibodies

Data Sheet

HUMAN BONE SIALOPROTEIN (BSP)

ANTIBODY, POLYCLONAL

Catalog no.:	A 4222.1 / A 4222.2
Immunogen:	Human BSP (bone extract)
Synonyms:	Bone sialoprotein 2, BSP2, Cell-binding sialoprotein, Integrin-binding sialoprotein
Swiss-Prot No:	P21815
Gene Information:	Gene name: IBSP
	GeneID: 3381
Host:	Rabbit
Matrix:	Serum
Specificity:	Human BSP, rat BSP
	There was no cross reactivity obtained with human Osteonectin, and human Osteopontin
Contents:	20 µl / 100 µl (lyophilized)
	Resuspend in 20 µl / 100 µl aqua bidest.
Known applications:	ELISA, RIA, Western Blot, immunohistochemistry (paraffin sections, 1:2000)[1]

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

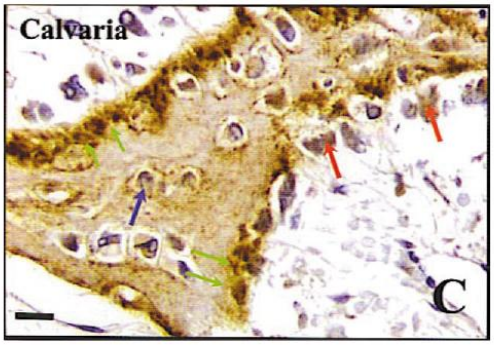

Figure 1: Immunohistochemistry image of BSP staining in paraffin sections of human calvaria. Section was incubated with A 4222 (1:2000) and detected using HRP-conjugated secondary antibody and ABC Vectastain Elite Kit (Vector Laboratories). DAB was used as the chromogen. The sections were counterstained with Harris' hematoxylin. **C.** A 4222 stains osteocytes (blue arrow), osteoblasts (red arrows) and osteoid (green arrows).

Cogan G et al. (2004) Connective Tissue Research 45: 60–71

References:

1. Cogan G, Bansal AK, Ibrahim S, Zhu B, Goldberg HA, Ganss B, Cheifetz S, Armbruster FP, Sodek J (2004). Analysis of Human Bone Sialoprotein in Normal and Pathological Tissues using a Monoclonal Antibody (BSP 1.2 mab). *Connective Tissue Research* **45**(1): 60 – 71.

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For research use only

Publishing research using A 4222? Please let us know so that we can cite your publication as a reference.

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