

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

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.

Last updated on: 05 August 2016

For research use only

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

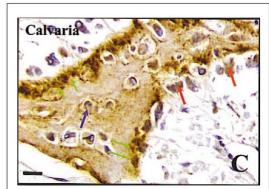


Figure 1: Immunohistochemistry image of BSP staining in paraffin sections of human calvaria. Section was incubated with A 4222 (1:2000) and detected using HRP-conjugated secondary antibody and ABC Vectastain Elite Kit (Vector Laboratories). DAB was used as the chromogen. The sections were counterstained 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