

## Osteopontin polyclonal antibody

Catalog: BS90993

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Osteopontin (OPN), also designated bone sialoprotein 1, urinary stone protein, spp-1, Eta-1, nephropontin and uropontin, is an extracellular matrix cell adhesion phosphoglycoprotein. OPN is deposited into unmineralized matrix prior to calcification leading to localization at various tissue interfaces including cement lines, lamina limitans and between collagen fibrils of fully matured hard tissues. While OPN is a major product of osteoblasts, it is also synthesized by brain and kidney cells. OPN isolated from or secreted by various tissues ranges in molecular weight due to posttranslational modifications. OPN functions as a substrate for transglutaminase and is involved in cell adhesion, chemoattraction and immunomodulation.

### Product:

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

### Molecular Weight:

~ 60 kDa

### Swiss-Prot:

P10451

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1:500-1:2000

IHC:1:100-1:500

IF:1:100-1:500

ELISA:1:5,000-1:10,000

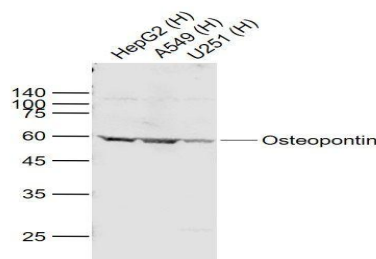
### Storage&Stability:

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

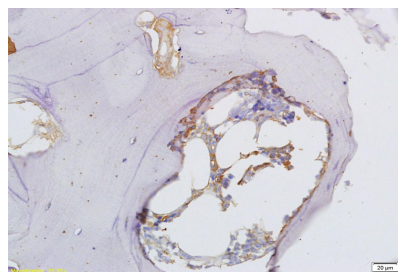
### Specificity:

Osteopontin polyclonal antibody detects endogenous levels of Osteopontin protein.

### DATA:



Primary: Anti-Osteopontin at 1/1000 dilution



Tissue/cell: rat shin bone; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-osteopontin Polyclonal Antibody, Unconjugated 1:300, overnight at 4°C.

### Note:

For research use only, not for use in diagnostic procedure.

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