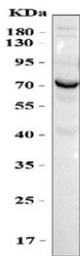


## OPN Antibody / Osteopontin (R30503)

| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| R30503      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

[Bulk quote request](#)

|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days                                     |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Antigen affinity purified                             |
| <b>Host</b>               | Rabbit  |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                            |
| <b>Isotype</b>            | Rabbit IgG  |
| <b>Purity</b>             | Antigen affinity                                      |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose             |
| <b>UniProt</b>            | P10451  |
| <b>Localization</b>       | Cytoplasmic   |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml                             |
| <b>Limitations</b>        | This OPN antibody is available for research use only. |



Western blot testing of human HepG2 cell lysate with OPN antibody. Predicted molecular weight ~35 kDa but may be observed at higher molecular weights due to glycosylation.

### Description

Osteopontin is also called urinary stone protein, secreted phosphoprotein 1 (SPP1), bone sialoprotein, and early T lymphocyte activation 1 (ETA1). Osteopontin is a phosphorylated glycoprotein secreted to the mineralizing extracellular matrix by osteoblasts during bone development. Osteopontin is presumably involved in stone formation as stone matrix. The deduced protein sequence reveals a 317-amino acid protein(34,982 Da) containing a 16-amino acid hydrophobic signal sequence and a 33,352-Da protein destined to undergo extensive post-translational modifications before being

secreted from the cell.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the OPN antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the N-terminus of human Osteopontin (EEKQLYNKYPDVAVATWLNPD) was used as the immunogen for this OPN antibody.

## Storage

After reconstitution, the OPN antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.