

## Osteopontin Rabbit pAb

CatalogNo: YT3467

Orthogonal Validated 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 60kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

IHC 1:100-500

IF/ICC 1:100-500

ELISA 1:5000-20000

### Storage

#### Storage\*

-15°C to -25°C/1 year (Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

The antiserum was produced against synthesized peptide derived from human Osteopontin. AA range: 261-310

#### Specificity

OPN Polyclonal Antibody detects endogenous levels of OPN protein.

### Target Information

|                       |   |                         |                          |
|-----------------------|---|-------------------------|--------------------------|
| Gene name             | SPP1  |                         |                          |
| Protein Name          | Osteopontin   |                         |                          |
|                       | Organism  | Gene ID                 | UniProt ID               |
|                       | Human   | <a href="#">6696</a> ;  | <a href="#">P10451</a> ; |
|                       | Mouse   | <a href="#">20750</a> ; | <a href="#">P10923</a> ; |
|                       | Rat   | <a href="#">25353</a> ; | <a href="#">P08721</a> ; |
| Cellular Localization | Secreted.   |                         |                          |
| Tissue specificity    | Bone. Found in plasma.  |                         |                          |
| Function              | Disease:This protein plays a principal role in urinary stone formation as the stone matrix.,Function:Acts as a cytokine involved in enhancing production of interferon-gamma and interleukin-12 and reducing production of interleukin-10 and is essential in the pathway that leads to type I immunity.,Function:Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction.,online information:Osteopontin entry,PTM:Extensively phosphorylated on clustered serine residues.,PTM:N- and O-glycosylated.,similarity:Belongs to the osteopontin family.,subunit:Ligand for integrin alpha-V/beta-3., |                         |                          |

| Validation Data

| Contact information

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