

## 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

### 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.

### Recommended Dilution Ratios

**WB 1:500-2000****IHC 1:100-500****IF/ICC 1:100-500****ELISA 1:5000-20000**

### 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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**Osteopontin Rabbit pAb**

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