

OPN Polyclonal Antibody

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** 1 mg/ml

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	6696 ;	P10451 ;
Mouse	20750 ;	P10923 ;
Rat	25353 ;	P08721 ;

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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OPN Polyclonal Antibody

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