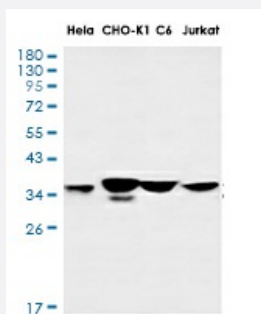


RecomAb™

# SPP1 recombinant monoclonal antibody, clone R08-1C5

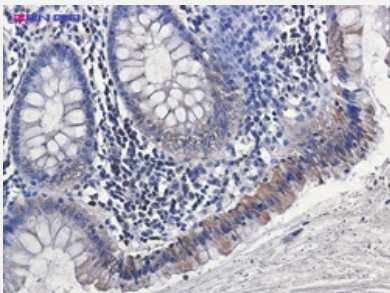
Catalog # RAB01239      Size 100 uL

## Applications



### Western Blot

Western blot analysis of Osteopontin in Hela, CHO-K1, C6, Jurkat lysates using Osteopontin antibody.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Osteopontin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Specification

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| Product Description  | Rabbit recombinant monoclonal antibody raised against human SPP1.                           |
| Antibody Species     | Rabbit                                                                                      |
| Immunogen            | Original antibody is raised against recombinant protein corresponding to human Osteopontin. |
| Theoretical MW (kDa) | Calculated MW: 35 kD                                                                        |
| Reactivity           | Human                                                                                       |
| Form                 | Liquid                                                                                      |

|                            |                                                                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purification</b>        | Affinity purification                                                                                                                                      |
| <b>Isotype</b>             | IgG                                                                                                                                                        |
| <b>Recommend Usage</b>     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)<br>Western Blot<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)                                                                 |
| <b>Storage Instruction</b> | Store at 4°C. For longer storage, aliquot and store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                           |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                     |

## Applications

- Western Blot

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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## Gene Info — SPP1

|                           |                                                                                                                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">6696</a>                                                                                                                                                                                                                                            |
| <b>Protein Accession#</b> | <a href="#">P10451</a>                                                                                                                                                                                                                                          |
| <b>Gene Name</b>          | SPP1                                                                                                                                                                                                                                                            |
| <b>Gene Alias</b>         | BNSP, BSPI, ETA-1, MGC110940, OPN                                                                                                                                                                                                                               |
| <b>Gene Description</b>   | secreted phosphoprotein 1                                                                                                                                                                                                                                       |
| <b>Omim ID</b>            | <a href="#">166490</a>                                                                                                                                                                                                                                          |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                       |
| <b>Gene Summary</b>       | bone sialoprotein I                                                                                                                                                                                                                                             |
| <b>Other Designations</b> | SPP1/CALPHA1 fusion bone sialoprotein I early T-lymphocyte activation 1 osteopontin osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1) |

## Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Toll-like receptor signaling pathway](#)

## Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Disorders](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Inflammation](#)
- [Kidney Calculi](#)
- [Kidney Failure](#)
- [Lewy Body Disease](#)
- [Liver Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)

- [Nephrolithiasis](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)
- [Pseudoxanthoma Elasticum](#)
- [Sarcoidosis](#)
- [Stroke](#)
- [Urinary Calculi](#)
- [Urolithiasis](#)