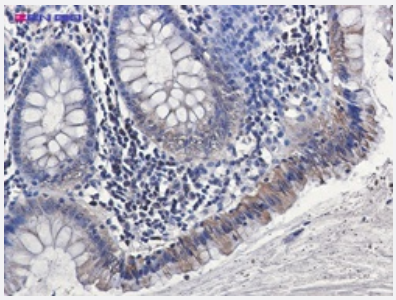
RecomAb™

SPP1 recombinant monoclonal antibody, clone R08-1C5

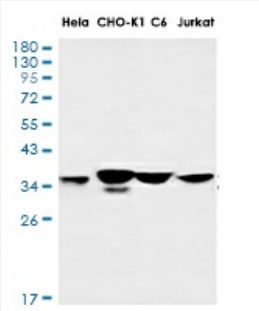
Catalog # RAB01239 Size 100 uL

Applications



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.



Western Blot

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

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

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

Applications

- 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.

- Western Blot

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

Gene Info — SPP1

Entrez GeneID	6696
Protein Accession#	P10451
Gene Name	SPP1
Gene Alias	BNSP, BSPI, ETA-1, MGC110940, OPN
Gene Description	secreted phosphoprotein 1
Omim ID	166490
Gene Ontology	Hyperlink
Gene Summary	bone sialoprotein I

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Other Designations	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

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- 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

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- Myocardial Infarction
- Neoplasm Recurrence
- Neoplasms
- Nephrolithiasis
- Osteoporosis
- Ovarian Neoplasms
- Periodontitis
- Pseudoxanthoma Elasticum
- Sarcoidosis
- Stroke
- Urinary Calculi
- Urolithiasis

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