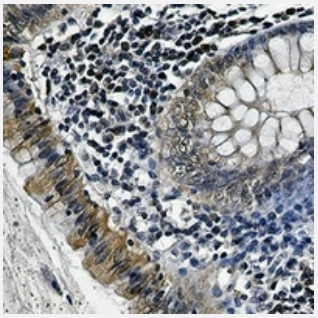
RecomAb™ Sm Size

SPP1 recombinant monoclonal antibody

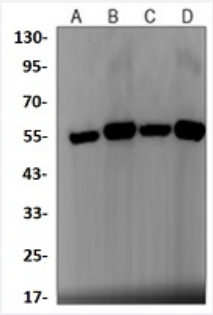
Catalog # RAB09235 Size 50 uL

Applications



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

Immunohistochemical analysis of human colon cancer formalin fixed paraffin embedded tissue section using SPP1 recombinant monoclonal antibody (Cat # RAB09235). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.64). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blot (Cell lysate)

Western blot analysis of Hela (A), CHOK1 (B), C6 (C), Jurkat (D) whole cell lysates with SPP1 recombinant monoclonal antibody (Cat # RAB09235).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SPP1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human SPP1.
Theoretical MW (kDa)	55
Reactivity	Hamster, Human, Rat

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Specificity	Recognizes endogenous levels of Osteopontin protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
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)

  Immunohistochemical analysis of human colon cancer formalin fixed paraffin embedded tissue section using SPP1 recombinant monoclonal antibody (Cat # RAB09235). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.64). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

- Western Blot (Cell lysate)

  Western blot analysis of Hela (A), CHOK1 (B), C6 (C), Jurkat (D) whole cell lysates with SPP1 recombinant monoclonal antibody (Cat # RAB09235).

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

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Omim ID	166490
Gene Ontology	Hyperlink
Gene Summary	bone sialoprotein I
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

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- 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

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- Lupus Nephritis
- Metabolic Syndrome X
- Multiple Sclerosis
- Myocardial Infarction
- Neoplasm Recurrence
- Neoplasms
- Nephrolithiasis
- Osteoporosis
- Ovarian Neoplasms
- Periodontitis
- Pseudoxanthoma Elasticum
- Sarcoidosis
- Stroke
- Urinary Calculi
- Urolithiasis

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