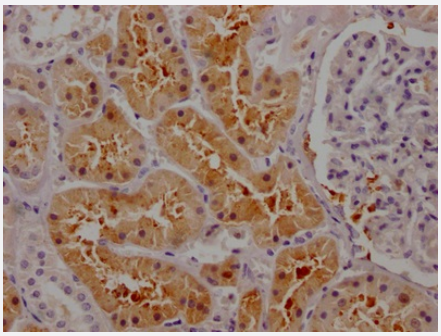
RecomAb™

SPP1 recombinant monoclonal antibody, clone 10A1

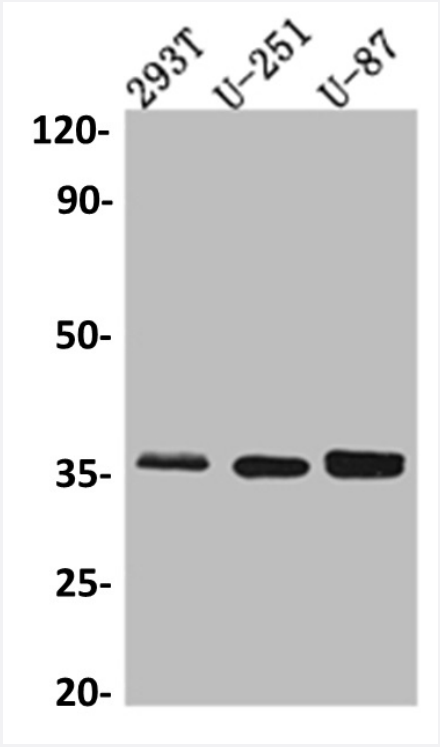
Catalog # RAB07486 Size 100 uL

Applications



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

Immunohistochemical analysis of paraffin-embedded human kidney tissue using SPP1 recombinant monoclonal antibody, clone 10A1 (Cat # RAB07486) on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



Western Blot (Cell lysate)

Western blot analysis of 293T whole cell lysate, U-251 whole cell lysate, U-87 whole cell lysate with SPP1 recombinant monoclonal antibody, clone 10A1 (Cat # RAB07486).

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Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SPP1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human SPP1.
Theoretical MW (kDa)	Calculated MW: 36, 3
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°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)

  Immunohistochemical analysis of paraffin-embedded human kidney tissue using SPP1 recombinant monoclonal antibody, clone 10A1 (Cat # RAB07486) on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

- Enzyme-linked Immunoabsorbent Assay

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- Western Blot (Cell lysate)

  Western blot analysis of 293T whole cell lysate, U-251 whole cell lysate, U-87 whole cell lysate with SPP1 recombinant monoclonal antibody, clone 10A1 (Cat # RAB07486).

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
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

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- 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

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- 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

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