

Anti-SPARC Antibody

Rabbit polyclonal antibody to SPARC Catalog # AP59939

Product Information

ApplicationWB, IHCPrimary AccessionP09486Other AccessionP07214

Reactivity Human, Mouse, Rat, Zebrafish, Bovine, SARS

Host Rabbit
Clonality Polyclonal
Calculated MW 34632

Additional Information

Gene ID 6678

Other Names ON; SPARC; Basement-membrane protein 40; BM-40; Osteonectin; ON;

Secreted protein acidic and rich in cysteine

Target/Specificity KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human SPARC. The exact sequence is proprietary.

Dilution WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC

(1/100 - 1/200)

Format Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

Storage Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name SPARC

Synonyms ON

Function Appears to regulate cell growth through interactions with the extracellular

matrix and cytokines. Binds calcium and copper, several types of collagen, albumin, thrombospondin, PDGF and cell membranes. There are two calcium binding sites; an acidic domain that binds 5 to 8 Ca(2+) with a low affinity and

an EF-hand loop that binds a Ca(2+) ion with a high affinity.

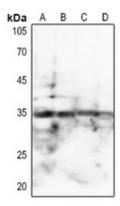
Cellular Location Secreted, extracellular space, extracellular matrix, basement membrane.

Note=In or around the basement membrane

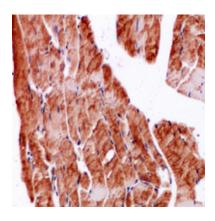
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SPARC. The exact sequence is proprietary.

Images



Western blot analysis of SPARC expression in A549 (A), mouse kidney (B), mouse brain (C), rat brain (D) whole cell lysates.



Immunohistochemical analysis of SPARC staining in mouse muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.