10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-SPARC Antibody

Catalog # AP59939

Product Information

Application	WB, IHC
Primary Accession	P09486
Reactivity	Human, Mouse, Rat, Zebrafish, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34632

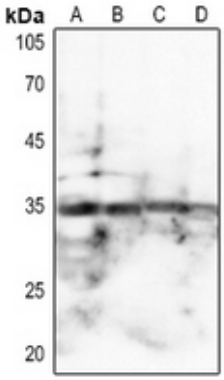
Additional Information

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 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

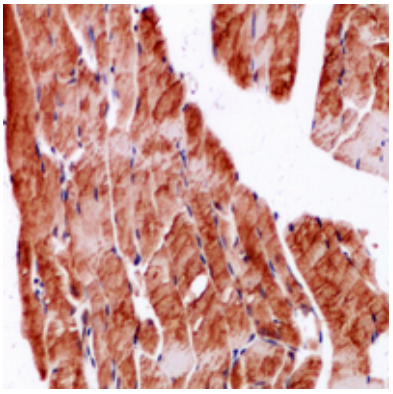
Protein Information

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

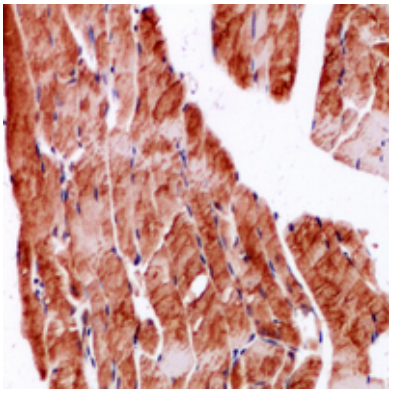
Images



Western blot analysis of SPARC expression in A549 (A), mouse kidney (B), mouse brain (C), rat brain (D) whole cell lysates. (Predicted band size: 34 kD; Observed band size: 34 kD)



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.



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