

SPARC Conjugated Antibody

Catalog No: #C21633



Package Size: #C21633-AF350 100ul #C21633-AF405 100ul #C21633-AF488 100ul

#C21633-AF555 100ul #C21633-AF594 100ul #C21633-AF647 100ul

#C21633-AF680 100ul #C21633-AF750 100ul #C21633-Biotin 100ul

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Description

Product Name	SPARC Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total SPARC protein.
Immunogen Description	Peptide sequence around aa.52~56 (V-G-E-F-D) derived from Human SPARC.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ON;BM-40
Accession No.	Swiss-Prot#:P09486NCBI Gene ID:6678NCBI mRNA#:NM_003118.2 NCBI Protein#:NP_003109.1
Uniprot	P09486
GeneID	6678;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	42
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Background

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.

Note: This product is for in vitro research use only