Versican Conjugated Antibody

Catalog No: #C49792

Package Size: #C49792-AF350 100ul #C49792-AF405 100ul #C49792-AF488 100ul #C49792-AF555 100ul #C49792-AF594 100ul #C49792-AF647 100ul #C49792-AF680 100ul #C49792-AF750 100ul #C49792-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Versican Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Chondroitin sulfate proteoglycan 2 antibody Chondroitin sulfate proteoglycan core protein 2 antibody Chondroitin sulfate proteoglycan core protein, cartilage antibody CSPG2 antibody CSPG2_HUMAN antibody ERVR antibody GHAP antibody Glial hyaluronate binding protein antibody Glial hyaluronate-binding protein antibody Large fibroblast proteoglycan antibody PG-M antibody PGM antibody VCAN antibody Versican antibody Versican core protein antibody Versican proteoglycan antibody WGN 1 antibody WGN antibody WGN1 antibody
Accession No.	Swiss-Prot#:P13611
Uniprot	P13611
GeneID	1462;
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	373/265/182/74 kDa
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

Background

Versican (chondroitin sulfate proteoglycan 2) is a large extracellular matrix proteoglycan involved in cell growth and differentiation. Important as a structural molecule, versican creates loose and hydrated matrices during key events in development and disease. The protein contains hyaluronic acid and glycosminoglycan-binding domains, epidermal growth factor-like repeats, a lectin-like sequence and a complement regulatory protein-like domain. Splice variants differ greatly in length and degree of modification by glycosaminoglycan chains. Accumulation around smooth muscle cells in lesions of atherosclerosis, suggests a role for versican in atherogenesis. Versican, differentially expressed in human melanoma, plays a role in tumor development and may be a reliable marker for clinical diagnosis. The organization of HA- and versican-rich pericellular matrices may faciliatate migration and mitosis by diminishing cell surface adhesivity and affecting cell shape through steric exclusion and the viscous properties of HA proteoglycan gels. The human verisican gene maps to chromosome 5q14.3.

Note: This product is for in vitro research use only