

Aggrecan Conjugated Antibody

Catalog No: #C49565



Package Size: #C49565-AF350 100ul #C49565-AF405 100ul #C49565-AF488 100ul
 #C49565-AF555 100ul #C49565-AF594 100ul #C49565-AF647 100ul
 #C49565-AF680 100ul #C49565-AF750 100ul #C49565-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	Aggrecan Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ACAN antibody AGC 1 antibody AGC1 antibody AGCAN antibody Aggrecan 1 (chondroitin sulfate proteoglycan 1, large aggregating proteoglycan, antigen identified by monoclonal antibody A0122) antibody Aggrecan 1 antibody Aggrecan core protein antibody Aggrecan proteoglycan antibody Aggrecan structural proteoglycan of cartilage antibody Aggrecan1 antibody ATEGQV antibody Cartilage specific proteoglycan core protein antibody Chondroitin sulfate proteoglycan 1 antibody Chondroitin sulfate proteoglycan 1 large aggregating proteoglycan antigen identified by monoclonal antibody A0122 antibody Chondroitin sulfate proteoglycan core protein 1 antibody CSPG 1 antibody CSPG1 antibody CSPGCP antibody JSCATE antibody Large aggregating proteoglycan antibody mcspg antibody mgsk16 antibody MSK 16 antibody MSK16 antibody SEDK antibody
Accession No.	Swiss-Prot#:P16112
Uniprot	P16112
GeneID	176;
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	250/246/239 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

The large chondroitin sulfate proteoglycan, aggrecan, is the predominant proteoglycan present in cartilage. Aggrecan is a member of the chondroitin sulphate proteoglycan family, which also includes versican/PG-M, neurocan and brevican. Aggrecan is a complex multidomain macromolecule that undergoes extensive processing and post-translational modification. Aggrecan in cartilage forms aggregates with hyaluronan and link protein, embedded in a collagen network. Aggrecan accounts for the compressive stiffness and resilience of the hyaline cartilage. Many forms of inflammatory arthritis are shown to be accompanied with aggrecan degradation and loss from the cartilage. Brevican is a brain proteoglycan of the aggrecan/versican/neurocan family. In the adult brain, the brevican core protein undergoes proteolytic cleavage and exists as a full-length form a carboxy-terminal fragment and an amino-terminal fragment.

Note: This product is for in vitro research use only