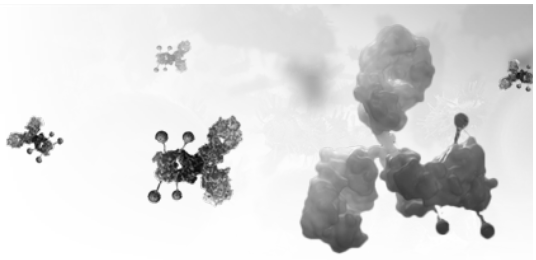

Anti-ACAN (C-terminal) polyclonal antibody (DPABH-10195)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Aggrecan is a member of a family of large, aggregating proteoglycans (also including versican, brevican and neurocan) which is found in articular cartilage. Aggrecan is composed of three major domains: G1, G2, and G3. Between the G1 and G2 domains there is an interglobulin region (IGD). The IGD region is the major site of cleavage by specific proteases like metalloproteinases (MMPs) and aggrecanase. Aggrecan cleavage has been associated with a number of degenerative diseases including rheumatoid arthritis and osteoarthritis. There is evidence that this family of proteoglycans modulates cell adhesion, migration, and axonal outgrowth in the CNS.
Immunogen	Synthetic peptide against C-terminal domain of Human Aggrecan (NP_037359.2) conjugated to KLH.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P
Format	Liquid
Size	50 µg
Buffer	Constituent: 99% PBS
Preservative	0.1% Sodium Azide

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Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	ACAN aggrecan [Homo sapiens]
Official Symbol	ACAN
Synonyms	ACAN; aggrecan; AGC1; SEDK; AGCAN; CSPG1; MSK16; CSPGCP; aggrecan core protein; large aggregating proteoglycan; cartilage-specific proteoglycan core protein; chondroitin sulfate proteoglycan core protein 1;
Entrez Gene ID	176
Protein Refseq	NP_001126.3
UniProt ID	E7ENV9
Pathway	Degradation of the extracellular matrix; ECM proteoglycans; Extracellular matrix organization; Glycosaminoglycan metabolism
Function	carbohydrate binding; extracellular matrix structural constituent; hyaluronic acid binding; metal ion binding

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