

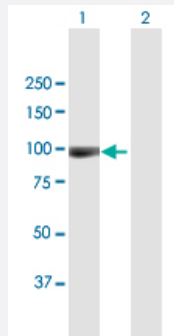
MaxPab®

ACAN purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000176-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ACAN expression in transfected 293T cell line ([H00000176-T01](#)) by ACAN MaxPab polyclonal antibody.

Lane 1: AGC1 transfected lysate (79.31 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ACAN protein.

Immunogen

ACAN (AAH36445.1, 1 a.a. ~ 721 a.a) full-length human protein.

Sequence

MTLLWVFVTLRVITA AVTVETSDHDNSLSVSIPQPSPLRVLLGTSLTIPCYFIDPMHPVTTAPSTAP
LAPRIKWSRVSKKEVLLVATEGRVRVNSAYQDKVSLPNYP AIPSDATLEVQSLRSNDSGVYRC
EVMHGIEDSEATLEV VVKGMFHYRAISTRYLDFDRAQRACLQNSAIIATPEQLQAAYEDGFHQCD
AGWLADQTVRYPIHTPREGCYGDKDEFPGVRTYGI RDTNETYDVYCF AEEMEGEVFYATSPEKFT
FQEAANECRRLGARLATTGQLYLAWQAGMDMCSAGWLADRSVRYPISKARPNCGGNLLGVRTV
YVHANQTGYDPSSRYDAICYTGEDFVDIPENFFGVGGEEDITVQTVTPDMELPLPRNITEGEAR
GSVILTVKPIFEVSPSPLEPEEPFTFAPEIGATAFAEVENETGEATRPWGFPTPGLGPATAFTSED
LVVQVTAVPGQPHLPGGVVFHYRPGPTRYSLTFEEAQQACLRTGAVIASPEQLQAAYEAGYEQC
DAGWLRDQTVRYPIVSPRTPCVGDKDSSPGVRTYGV RPSSTETYDVYCFVDRLEGEVFFATRLEQ
FTFQEALFCESHNATLATTGQLYAAWSRGLDKCYAGWLADGSLRYPVTPRPACGGDKPGVVRT
VYLYPNQTGLPDPLSRHHAFCFRGMQPHFGSNSPFCLERTPLGSPDPATTQYPIHQSKKMSVPL
GQSQL

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of ACAN expression in transfected 293T cell line ([H00000176-T01](#)) by ACAN MaxPab polyclonal antibody.

Lane 1: AGC1 transfected lysate(79.31 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ACAN

Entrez GeneID
[176](#)
GeneBank Accession#
[XM_001131727.1](#)
Protein Accession#
[AAH36445.1](#)
Gene Name

ACAN

Gene Alias

AGC1, AGCAN, CSPG1, CSPGCP, MSK16, SEDK

Gene Description

aggrecan

Omim ID
[155760 608361](#)
Gene Ontology
[Hyperlink](#)
Gene Summary

This gene is a member of the aggrecan/versican proteoglycan family. The encoded protein is an integral part of the extracellular matrix in cartilagenous tissue and it withstands compression in cartilage. Mutations in this gene may be involved in skeletal dysplasia and spinal degeneration. Multiple alternatively spliced transcript variants that encode different protein isoforms have been observed in this gene. [provided by RefSeq]

Other Designations

aggrecan 1 (chondroitin sulfate proteoglycan 1, large aggregating proteoglycan, antigen identified by monoclonal antibody A0122)|aggrecan proteoglycan|cartilage-specific proteoglycan core protein|chondroitin sulfate proteoglycan 1|large aggregating proteo

Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Intervertebral Disk Degeneration](#)
- [Intervertebral Disk Displacement](#)
- [Low Back Pain](#)
- [Occupational Diseases](#)
- [Paraparesis](#)
- [Scoliosis](#)
- [Tobacco Use Disorder](#)