A12045

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Aggrecan Rabbit pAb

Catalog No.: A12045 **11 Publications**

Basic Information

Observed MW
230kDa

Calculated MW
261kDa

Category
Polyclonal Antibody

Applications
WB,ELISA,IF-P

Cross-Reactivity
Mouse,Rat

Background

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.

Recommended Dilutions

WB	1:500 - 1:2000
IF-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
176

Swiss Prot
P16112

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
AGC1; SEDK; AGCAN; CSPG1; MSK16; CSPGCP; SSOAOD; Aggrecan

Contact

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Product Information

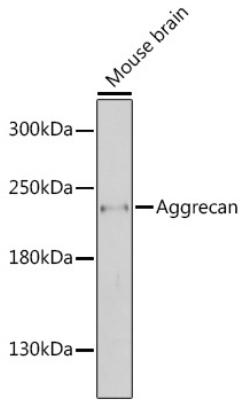
Source
Rabbit

Isotype
IgG

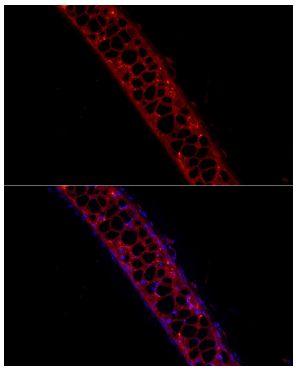
Purification
Affinity purification

Storage
Store at -20℃

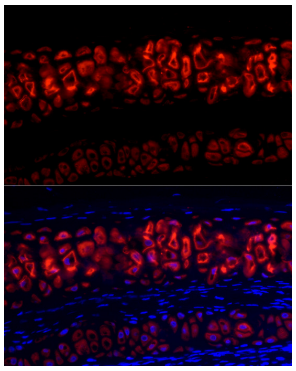
Validation Data



Western blot analysis of lysates from mouse brain, using Aggrecan Rabbit pAb (A12045) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 90s.



Immunofluorescence analysis of paraffin-embedded Mouse cartilage using Aggrecan Rabbit pAb (A12045) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded Rat cartilage using Aggrecan Rabbit pAb (A12045) at dilution of 1:100 (40x lens).Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.