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Datasheet for ABIN7434326 anti-Aggrecan antibody (AA 34-147)

2 Images

1 Publication



Overview

Quantity:	100 µL
Target:	Aggrecan (ACAN)
Binding Specificity:	AA 34-147
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aggrecan antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Aggrecan (AGC)
Immunogen:	Recombinant Aggrecan (AGC) corresdonding to Pro34~Glu147 (Accession # Q61282)
Isotype:	lgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against AGC. It has been selected for its ability to recognize AGC in immunohistochemical staining and western blotting.
Cross-Reactivity:	Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

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Target Details	
Target:	Aggrecan (ACAN)
Alternative Name:	Aggrecan (ACAN Products)
Background:	ACAN, AGC1, AGCAN, CSPG1, CSPCP, CSPGCP, MSK16, SEDK, Cartilage-specific proteoglycan core protein, Large Aggregating Proteoglycan, Chondroitin Sulfate Proteoglycan 1
Pathways:	Glycosaminoglycan Metabolic Process, Dicarboxylic Acid Transport
Application Details	
Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months
Publications	
Product cited in: Order at www.ar	Song, Li, Sun, Zhao: "Fxyd5 activates the NF-κB pathway and is involved in chondrocytes inflammation and extracellular matrix degradation." in: Molecular medicine reports , Vol. 25, ntibodies-online.com www.antikoerper-online.de www.anticorps-enligne.fr www.antibodies-online.cn
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Images



Western Blotting

Image 1. Detection of Recombinant AGC, Mouse using Polyclonal Antibody to Aggrecan (AGC)

Western Blotting

Image 2. Western blot analysis showed that Fxyd5 knockdown reversed the LPS-induced ECM degradation in ATDC5 cells, as supported by MMP3 and MMP13 downregulation and aggrecan and collagen II upregulation in the shFxyd5 group compared with the shNC group. Untreated and untransfected ATDC5 cells served as the control group. GAPDH served as the loading control. Source: PMID35191523

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