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Datasheet for ABIN7426385

## anti-Aggrecan antibody (AA 2163-2316)

### 1 Image

#### Overview

Quantity:	100 µL
Target:	Aggrecan (ACAN)
Binding Specificity:	AA 2163-2316
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Aggrecan antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

#### Product Details

Purpose:	Monoclonal Antibody to Aggrecan (AGC)
Immunogen:	Recombinant Aggrecan (AGC) corresponding to Asp2163~His2316 (Accession # P16112) with N-terminal His Tag
Clone:	C1
Isotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against AGC. It has been selected for its ability to recognize AGC in immunohistochemical staining and western blotting.
Purification:	Protein A + Protein G affinity chromatography

## Target Details

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Target:	Aggrecan (ACAN)
Alternative Name:	Aggrecan ( <a href="#">ACAN Products</a> )
Background:	ACAN, AGC1, AGCAN, CSPG1, CSPCP, CSPGCP, MSK16, SEDK, Cartilage-specific proteoglycan core protein, Large Aggregating Proteoglycan, Chondroitin Sulfate Proteoglycan 1
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Dicarboxylic Acid Transport</a>

## Application Details

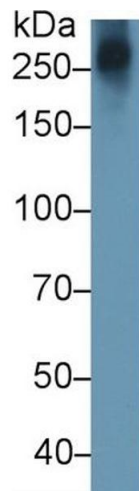
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Application Notes:	Western blotting: 0.5-3 µg/mL Immunohistochemistry: 5-30 µg/mL Immunocytochemistry: 5-30 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate 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

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Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: 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



### Western Blotting

**Image 1.** Detection of AGC in Human Lymphocyte lysate using Monoclonal Antibody to Aggrecan (AGC)