

Aggrecan Antibody to N-terminal Neoepitope DIPEN Mouse Monoclonal Antibody

Catalog Number 1042002

For research use only

INTRODUCTION	This metabolite usually remains in the tissue complexed to hyaluronan but with extensive cartilage catabolism it may be released from the tissue.
IMMUNOGEN	DIPEN synthetic peptide conjugate.
CLONE	BC-4
HOST	Mouse
MYELOMA	x63-Ag8.653
ISOTYPE	IgG1
LIGHT CHAIN TYPE	kappa
SPECIFICITY	Recognizes the N-terminal neoepitope sequence (...DIPEN) generated at the "MMP cleavage site" after MMP catabolism in the interglobular domain of aggrecan between amino acids PEN341 and 342FFG. This antibody cross-reacts with Hu, Rat, Gpig, Hrs, and Pig.

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PURITY	Affinity purified on protein G
STORAGE BUFFER	PBS, no preservatives
FORM	Liquid
CONCENTRATION	Please see vial label for concentration.
APPLICATION	<ul style="list-style-type: none">• Western-Blotting Suggested dilution: 1:100 Detects a a band of approximately 60 kDa• ELISA• IHC This antibody should work in IHC on formalin- or paraformaldehyde-fixed paraffin embedded sections as well as either alcohol-fixed frozen sections or un-fixed snap-frozen sections.
TECHNICAL NOTES	Samples are usually deglycosylated using 0.01 Units Chondroitinase ABC (Sigma), 0.01 Units Keratanase (Seikagaku) and 0.0001 Units Keratanase II (Seikagaku) per 10µg S-GAG of non-deglycosylated aggrecan for optimal epitope recognition in SDS-PAGE and immunohistochemistry (1, 2).
STORAGE	The antibody is stable until the expiry date given on the label if stored at -20 °C. Repeated freezing and thawing should be avoided. Aliquoting is recommended.
EXPIRATION	See Vial Label
REFERENCES	<ol style="list-style-type: none">1. Little CB et al. Matrix metalloproteinases are involved in C-terminal and interglobular domain processing of cartilage aggrecan in late-stage cartilage degradation. Matrix Biol 21:271-88 (2002).2. Caterson B et al. Mechanisms involved in cartilage proteoglycan catabolism. Matrix Biol 19:333-44 (2000)

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