

Datasheet for ABIN187628 **anti-Aggrecan antibody**



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Overview

Quantity:	0.1 mL
Target:	Aggrecan (ACAN)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Aggrecan antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human large molecular weight proteoglycan of articular cartilage (aggrecan).
Clone:	6F4
Isotype:	IgG1
Specificity:	Reacts with chondroitin sulfate proteoglycan from cartilage (aggrecan). Species Reactivity: Reacts with human. No crossreactivity with bovine nasal cartilage, rat chondrosarcoma, chick or shark cartilage aggrecan. Other species not tested. Controls: Purified antigen, cartilage extracts or mature cultured chondrocytes.

Target Details

Target:	Aggrecan (ACAN)
Alternative Name:	Aggrecan (ACAN Products)

Target Details

Pathways: [Glycosaminoglycan Metabolic Process](#), [Dicarboxylic Acid Transport](#)

Application Details

Application Notes: ELISA: 1:500-1:1,000 (highest ELISA reactivity of our 3 anti-chondroitin/keratan sulfate proteoglycans). In solid phase immunoassays, endo-beta-galactosidase digestion of aggrecan increases the immunoreactivity of the antibody. Also reacts with papain-digested aggrecan. Immunohistochemistry: (paraffin embedded): 1:50-1:3,000. Treat tissue sections with 2 mg/ml testicular hyaluronidase in 50 mM Na-acetate buffer, pH 5.5 for 1 hr at 37C, followed by treatment with 0.2 mg/ml Protease XXIV in TBS, pH 7.2, for the same time and temperature. Immunoprecipitation: 1:50-1:300 Western blotting: 1:100-1:300 Reacts with 3 trypsin-generated fragments of human cartilage aggrecan (prior digested with chondroitinase and endo-beta-galactosidase) which have apparent MW of 55, 65 and 95 kDa. The optimal dilution for a specific application should be determined by the researcher.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 100 µl ascites containing 0.01% sodium azide. Antibody concentration >1 mg/ml.

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