

Anti-Aggrecan antibody [6-B-4] - BSA and Azide free ab255969

重组

4 图像

概述

产品名称	Anti-Aggrecan抗体[6-B-4] - BSA and Azide free
描述	小鼠单克隆抗体[6-B-4] to Aggrecan - BSA and Azide free
宿主	Mouse
特异性	This antibody detects recombinant human Aggrecan by Western Blotting. We have been unable to detect endogenous protein in WB with this antibody. However, there are many citations indicating this antibody is able to detect Aggrecan in endogenous sample lysates.
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human, Recombinant fragment
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Recombinant human Aggrecan protein. IHC-P: Human cartilage sections.
常规说明	<p>ab255969 is the carrier-free version of ab3778.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	Constituent: 100% PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	6-B-4
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab255969 于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

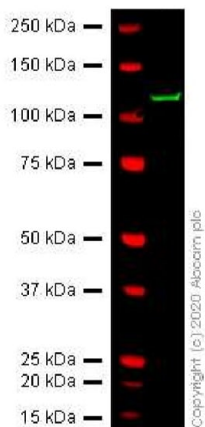
应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 250 kDa.
IHC-P		Use at an assay dependent concentration. Perform enzymatic antigen retrieval before commencing with IHC staining protocol.

靶标

相关性 Aggrecan is a member of a family of large, aggregating proteoglycans (also including versican, brevican and neurocan) which is found in articular cartilage. Aggrecan is composed of three major domains: G1, G2, and G3. Between the G1 and G2 domains there is an interglobulin region (IGD). The IGD region is the major site of cleavage by specific proteases like metalloproteinases (MMPs) and aggrecanase. Aggrecan cleavage has been associated with a number of degenerative diseases including rheumatoid arthritis and osteoarthritis. There is evidence that this family of proteoglycans modulates cell adhesion, migration, and axonal outgrowth in the CNS.

细胞定位 Secreted; extracellular matrix.

图片

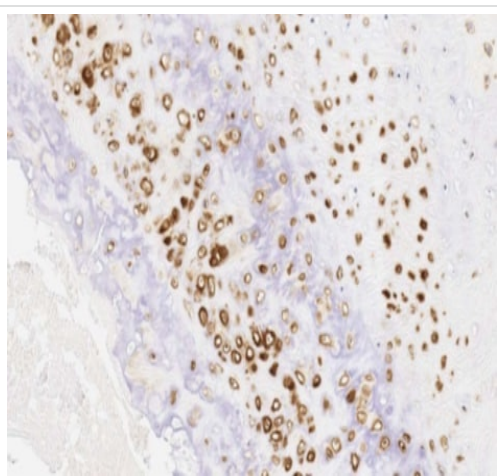


Western blot - Anti-Aggrecan antibody [6-B-4] - BSA and Azide free (ab255969)

This data was produced using the same clone but in a different buffer formulation, **ab3778**.

ab3778 was shown to react with recombinant human Aggrecan protein in western blot.

Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with **ab3778** at 1 µg/ml overnight at 4°C. Blots were incubated with Goat anti-Mouse IgG H&L (IRDye®800CW) preabsorbed (**ab216772**) at a 1/20000 dilution for 1 hour at RT.

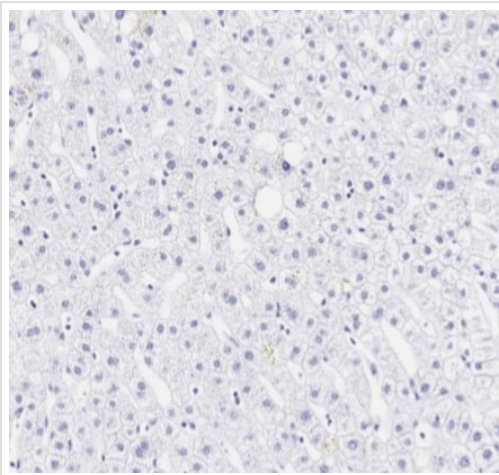


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aggrecan antibody [6-B-4] - BSA and Azide free (ab255969)

This data was produced using the same clone but in a different buffer formulation, **ab3778**.

Secreted staining of cartilage cells.

Staining performed on a Leica BOND RX™ system using the standard protocol F. The section was pre-treated using enzymatic retrieval, for 15mins. The section was then incubated with **ab3778**, 0.05 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.






Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aggrecan antibody [6-B-4] - BSA and Azide free (ab255969)

This data was produced using the same clone but in a different buffer formulation, **ab3778**.

No staining in negative control tissue (human normal liver).

Staining performed on a Leica BOND RXTM system using the standard protocol F. The section was pre-treated using enzymatic retrieval, for 15mins. The section was then incubated with **ab3778**, 0.05µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Why choose a recombinant antibody?

 Research with confidence Consistent and reproducible results	 Long-term and scalable supply Recombinant technology
 Success from the first experiment Confirmed specificity	 Ethical standards compliant Animal-free production

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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