



## Product datasheet

# Anti-Syndecan-1 antibody [SP152] - BSA and Azide free ab242394

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [7 Images](#)

### Overview

<b>Product name</b>	Anti-Syndecan-1 antibody [SP152] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [SP152] to Syndecan-1 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, Flow Cyt, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	<p>Recombinant fragment within Human Syndecan-1 aa 1-250. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements.</p> <p>Database link: <a href="#">P18827</a></p> <p style="text-align: right;"> <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a></p>
<b>Positive control</b>	IHC-P: Human tonsil, Human skin, and Human hepatocellular carcinoma tissue; ICC: A431 cells. Flow Cyt: U266B1 cells
<b>General notes</b>	<p>ab242394 is the carrier-free version of <a href="#">ab130405</a>.</p> <p>Our <b>carrier-free</b> 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 <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;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<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> 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"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li></ul>

- Animal-free production  
For more information [see here](#).

**This product is FOR RESEARCH USE ONLY. For commercial use, please contact [partnerships@abcam.com](mailto:partnerships@abcam.com).**

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.20 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified from TCS by protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	SP152
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab242394 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Flow Cyt		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

## Target

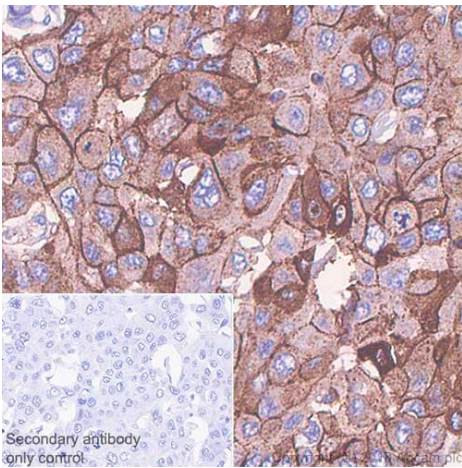
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<b>Function</b>	Cell surface proteoglycan that bears both heparan sulfate and chondroitin sulfate and that links the cytoskeleton to the interstitial matrix.
<b>Sequence similarities</b>	Belongs to the syndecan proteoglycan family.
<b>Cellular localization</b>	Membrane.

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## Images

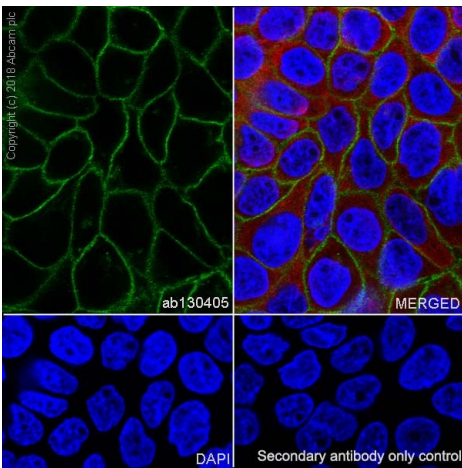
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syndecan-1 antibody [SP152] - BSA and Azide free (ab242394)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human hepatocellular carcinoma tissue sections labeling Syndecan-1 with **ab130405** at 1/100 dilution (2.68 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 10 mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

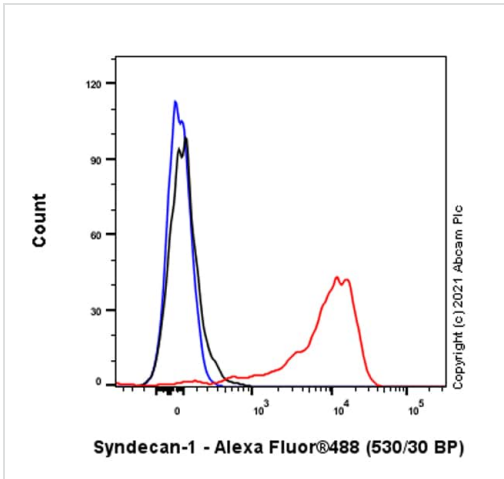
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab130405**)



Immunocytochemistry/ Immunofluorescence - Anti-Syndecan-1 antibody [SP152] - BSA and Azide free (ab242394)

Immunocytochemistry/ Immunofluorescence analysis of A431 (human epidermoid carcinoma epithelial cell) cells labeling Syndecan-1 with purified **ab130405** at 1:50 (5.36 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab242394)

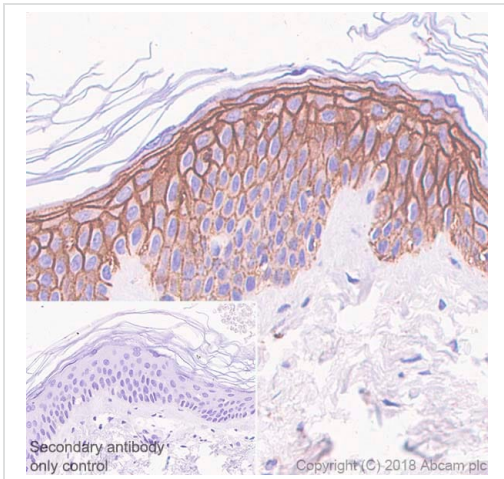


Flow Cytometry - Anti-Syndecan-1 antibody [SP152]  
- BSA and Azide free (ab242394)

This data was developed using [ab130405](#), the same antibody clone in a different buffer formulation.

Flow Cytometry analysis of U266B1 (Human multiple myeloma B lymphocyte) cells labeling Syndecan-1 with purified [ab130405](#) at 1/1000 dilution (1 µg/mL) (Red). A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).

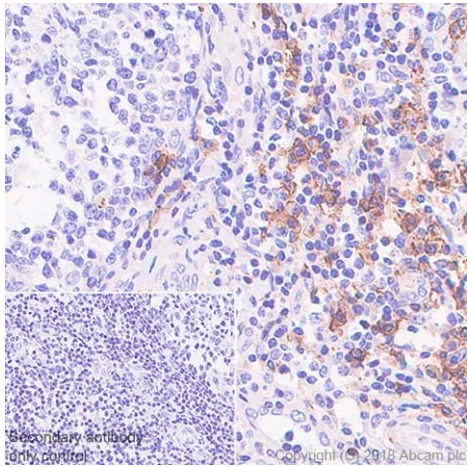
Gated on viable cells.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syndecan-1 antibody [SP152] - BSA and Azide free (ab242394)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human skin tissue sections labeling Syndecan-1 with [ab130405](#) at 1/100 dilution (2.68 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 10 mins. Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

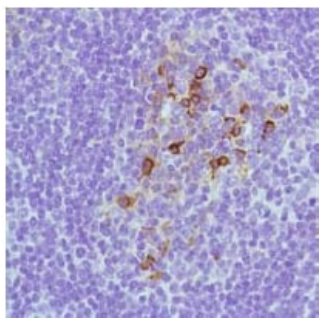
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab130405](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syndecan-1 antibody [SP152] - BSA and Azide free (ab242394)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human tonsil tissue sections labeling Syndecan-1 with **ab130405** at 1/100 dilution (2.68 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 10 mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab130405**)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syndecan-1 antibody [SP152] - BSA and Azide free (ab242394)

**ab130405**, at a dilution of 1/100, staining Syndecan in paraffin-embedded human tonsil tissue by Immunohistochemistry.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (**ab130405**).

### 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

Anti-Syndecan-1 antibody [SP152] - BSA and Azide free (ab242394)

## **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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