



## Product datasheet

# Anti-Syndecan-1 antibody [1A3H4] ab181789

[5 References](#) [7 Images](#)

### Overview

<b>Product name</b>	Anti-Syndecan-1 antibody [1A3H4]
<b>Description</b>	Mouse monoclonal [1A3H4] to Syndecan-1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ICC/IF, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	<p>Recombinant fragment corresponding to Human Syndecan-1 aa 28-171 (internal sequence). Expressed in <i>E. Coli</i>. Sequence:</p> <p>NLPPEDQDGS GDDSDNFSGSGAGALQDITLSQQTPSTW KDTQLLTAIPTS PEPTGLEATA ASTSTLPAGEGPKEGEAVVLPEVEPGLTAREQEATPRP RETTQLPTTHLASTTTATTAQEPATSHPHRDMQPGHHETS TPAGPS</p> <p>Database link: <a href="#">P18827</a></p> <p> <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a></p>
<b>Positive control</b>	Human ovarian and rectum cancer tissues; HepG2 cells; MCF7, HeLa, HepG2, T47D, SW620, Jurkat and mouse NIH 3T3 cell lysates; Human Syndecan-1 recombinant protein (amino acids 28-171); HEK293 cell lysate transfected with Syndecan-1 (amino acids 28-171)-hlgGfC.
<b>General notes</b>	<p>This product was changed from ascites to supernatant. Lot no's high than GR214200-21 are from Tissue Culture Supernatant</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

**Form** Liquid

<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified from tissue culture supernatant.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	1A3H4
<b>Isotype</b>	IgG1

## Applications

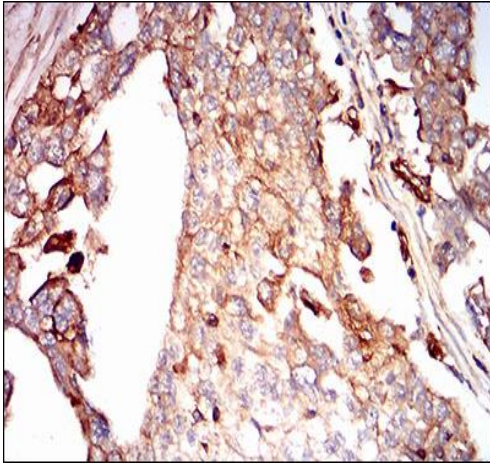
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab181789 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/200 - 1/1000.
WB		1/500 - 1/2000. Predicted molecular weight: 32 kDa.
ICC/IF		1/200 - 1/1000.
Flow Cyt		1/200 - 1/400. <b><u>ab170190</u></b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

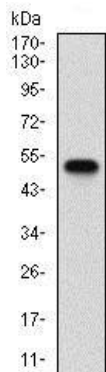
<b>Function</b>	Cell surface proteoglycan that bears both heparan sulfate and chondroitin sulfate and that links the cytoskeleton to the interstitial matrix.
<b>Sequence similarities</b>	Belongs to the syndecan proteoglycan family.
<b>Cellular localization</b>	Membrane.

## Images



Immunohistochemical analysis of paraffin-embedded Human ovarian cancer tissue labeling Syndecan-1 with ab181789 at 1/200 dilution followed by DAB staining.

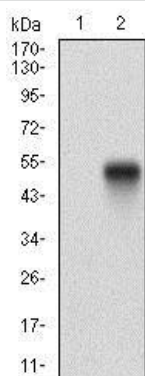
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syndecan-1 antibody [1A3H4] (ab181789)



Anti-Syndecan-1 antibody [1A3H4] (ab181789) at 1/500 dilution + Human Syndecan-1 recombinant protein (amino acids 28-171)

**Predicted band size: 32 kDa**

Western blot - Anti-Syndecan-1 antibody [1A3H4] (ab181789)



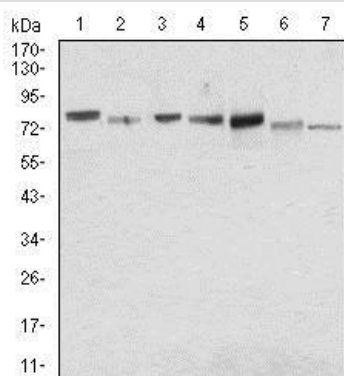
Western blot - Anti-Syndecan-1 antibody [1A3H4]  
(ab181789)

**All lanes :** Anti-Syndecan-1 antibody [1A3H4] (ab181789) at 1/500 dilution

**Lane 1 :** HEK293 cell lysate, non-transfected

**Lane 2 :** HEK293 cell lysate, transfected with Syndecan-1 (amino acids 28-171)-hlgGFc

**Predicted band size:** 32 kDa



Western blot - Anti-Syndecan-1 antibody [1A3H4]  
(ab181789)

**All lanes :** Anti-Syndecan-1 antibody [1A3H4] (ab181789) at 1/500 dilution

**Lane 1 :** MCF7 cell lysate

**Lane 2 :** HeLa cell lysate

**Lane 3 :** HepG2 cell lysate

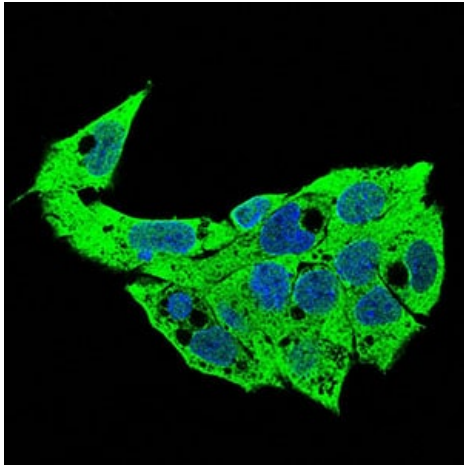
**Lane 4 :** T47D cell lysate

**Lane 5 :** SW620 cell lysate

**Lane 6 :** Jurkat cell lysate

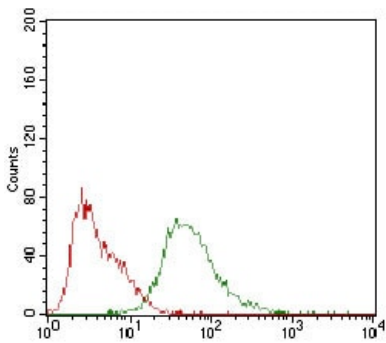
**Lane 7 :** mouse NIH 3T3 cell lysate

**Predicted band size:** 32 kDa



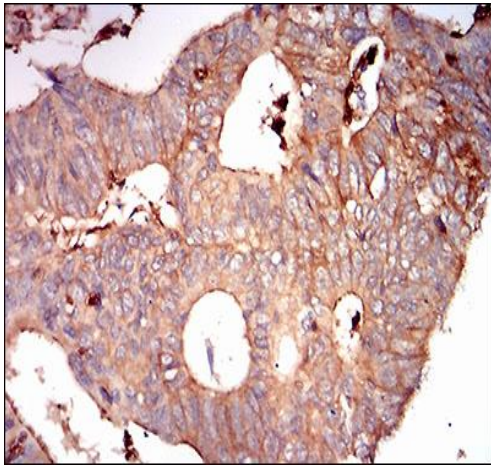
Immunocytochemistry/ Immunofluorescence - Anti-Syndecan-1 antibody [1A3H4] (ab181789)

Immunofluorescent analysis of HepG2 cells labeling Syndecan-1 with ab181789 at 1/200 dilution (green). Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometry - Anti-Syndecan-1 antibody [1A3H4] (ab181789)

Flow cytometric analysis of HepG2 cells labeling Syndecan-1 with ab181789 at 1/200 dilution (green); negative control (red).



Immunohistochemical analysis of paraffin-embedded Human rectum cancer tissue labeling Syndecan-1 with ab181789 at 1/200 dilution followed by DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Syndecan-1 antibody [1A3H4] (ab181789)

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

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