

### Anti-SMURF1 antibody [1D7] ab57573

[22 References](#) [画像数 4](#)

#### 製品の概要

製品名	Anti-SMURF1 antibody [1D7]
製品の詳細	Mouse monoclonal [1D7] to SMURF1
由来種	Mouse
アプリケーション	<b>適用あり:</b> WB, IHC-P, ICC/IF, Flow Cyt
種交差性	<b>交差種:</b> Human
免疫原	Recombinant fragment, corresponding to amino acids 165-269 of Human SMURF1
特記事項	<p>This product was changed from ascites to tissue culture supernatant on 15 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</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>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.40 Constituent: 100% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	1D7
アイソタイプ	IgG2a
軽鎖の種類	kappa

## アプリケーション

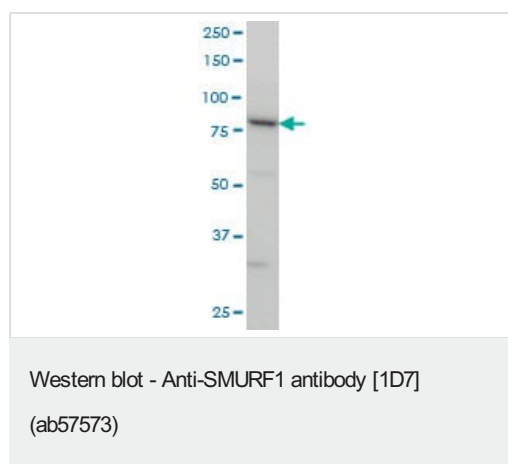
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab57573の使用に適用されず**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 86 kDa.
IHC-P		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab170191</b> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

## ターゲット情報

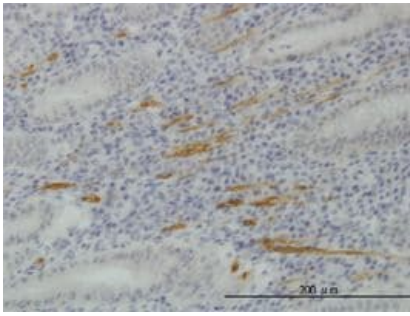
機能	E3 ubiquitin-protein ligase that acts as a negative regulator of BMP signaling pathway. Acts by mediating ubiquitination and degradation of SMAD1 and SMAD5, 2 receptor-regulated SMADs specific for the BMP pathway. Promotes ubiquitination and subsequent proteasomal degradation of TRAF family members.
パスウェイ	Protein modification; protein ubiquitination.
配列類似性	Contains 1 C2 domain. Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain. Contains 2 WW domains.
翻訳後修飾	Ubiquitinated by the SCF(FBXL15) complex at Lys-381 and Lys-383, leading to its degradation by the proteasome. Lys-383 is the primary ubiquitination site.
細胞内局在	Cytoplasm.

## 画像



SMURF1 antibody (ab57573) at 1ug/lane + HeLa cell lysate at 25ug/lane.

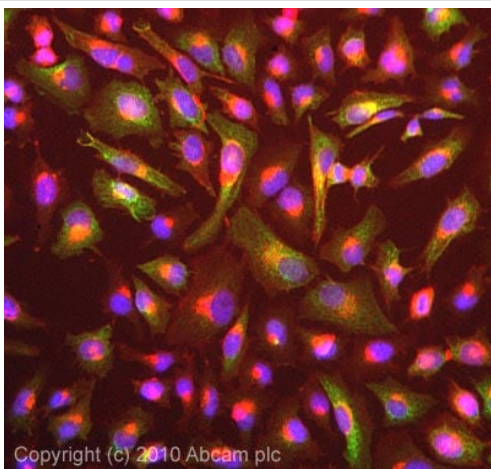
This image was generated using the ascites version of the product.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMURF1 antibody [1D7] (ab57573)

SMURF1 antibody (ab57573) used in immunohistochemistry at 2ug/ml on formalin fixed and paraffin embedded human stomach.

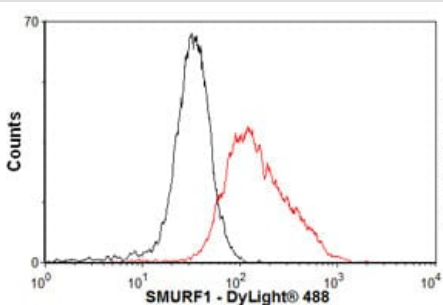
This image was generated using the ascites version of the product.



Immunocytochemistry/ Immunofluorescence - Anti-SMURF1 antibody [1D7] (ab57573)

ICC/IF image of ab57573 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab57573, 5μg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43μM.

This image was generated using the ascites version of the product.



Flow Cytometry - Anti-SMURF1 antibody [1D7] (ab57573)

Overlay histogram showing MCF7 cells stained with ab57573 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab57573, 1μg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (**ab91361**, 1μg/1x10<sup>6</sup> cells) used under the same conditions.

Acquisition of >5,000 events was performed.

This image was generated using the ascites version of the product.

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

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