

### Anti-NCAM1 antibody [EP2567Y] ab75813

リコンビナント **RabMAb**

★★★★☆ **6 Abreviews** **35 References** 画像数 7

#### 製品の概要

製品名	Anti-NCAM1 antibody [EP2567Y]
製品の詳細	Rabbit monoclonal [EP2567Y] to NCAM1
由来種	Rabbit
アプリケーション	<b>適用あり:</b> Flow Cyt (Intra), WB, IP, ICC/IF, IHC-P
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: SH-SY5Y cell lysate. ICC/IF: SH-SY5Y cells. Flow Cyt (intra): SH-SY5Y cells. IP: SH-SY5Y IHC-P: Human cerebrum.
特記事項	<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> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP2567Y

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ab75813の使用に適用されます  
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
Flow Cyt (Intra)		1/50. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. For unpurified use at 1:1000 dilution.
WB		1/50000 - 1/100000. Detects a band of approximately 180 kDa (predicted molecular weight: 93 kDa).
IP		1/20. For unpurified use at 1:100 dilution
ICC/IF		1/50. For unpurified use at 1:100 - 1:250 dilution range
IHC-P	★★★★★ (5)	1/10000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

機能	This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.
配列類似性	Contains 2 fibronectin type-III domains. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.
細胞内局在	Secreted and Cell membrane.

画像



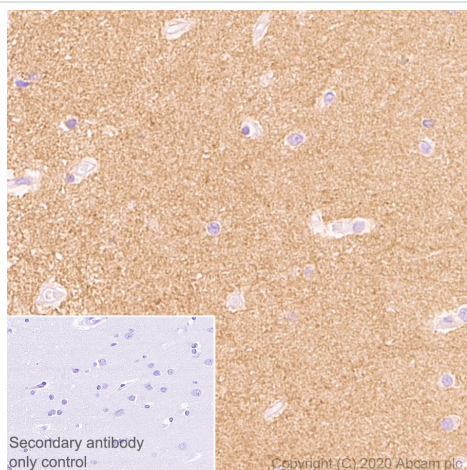
Western blot - Anti-NCAM1 antibody [EP2567Y] (ab75813)

Anti-NCAM1 antibody [EP2567Y] (ab75813) at 1/10000 dilution (Purified) + SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysate

## Secondary

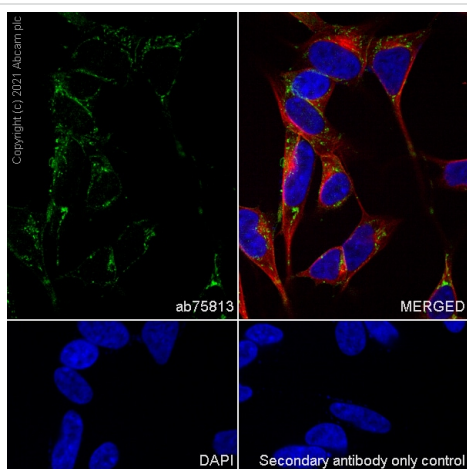
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 93 kDa



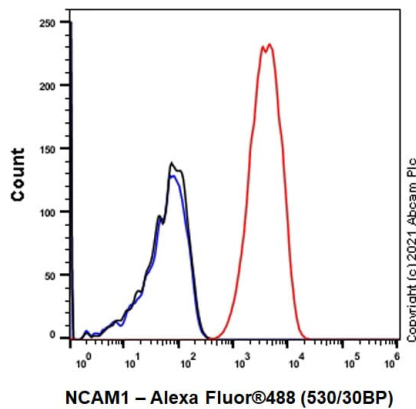
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NCAM1 antibody [EP2567Y] (ab75813)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human cerebrum tissue sections labeling NCAM1 with Purified ab75813 at 1/10000 dilution (0.02 µg/ml). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) secondary antibody. PBS instead of the primary antibody was used as the negative control.



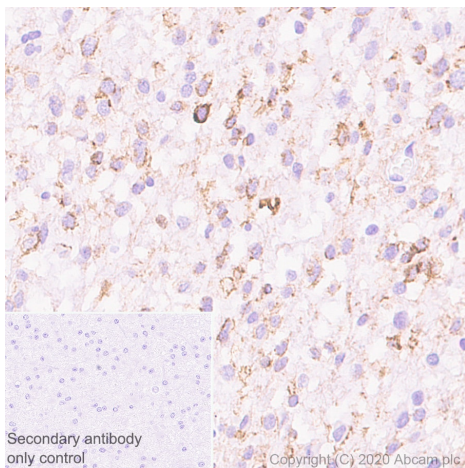
Immunocytochemistry/ Immunofluorescence - Anti-NCAM1 antibody [EP2567Y] (ab75813)

Immunocytochemistry analysis of SH-SY5Y (Human neuroblastoma epithelial cell) cells labeling NCAM1 with Purified ab75813 at 1:50 dilution (3.1 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-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 (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



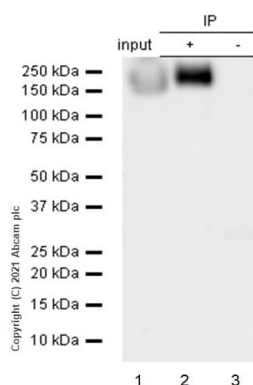
Flow Cytometry (Intracellular) - Anti-NCAM1 antibody [EP2567Y] (ab75813)

Flow Cytometry analysis of SH-SY5Y (Human neuroblastoma epithelial cell) cells labelling NCAM1 with Purified ab75813 at 1:20 dilution (10 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150081**) secondary antibody was used at 1:2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabelled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NCAM1 antibody [EP2567Y] (ab75813)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human astrocytoma tissue sections labeling NCAM1 with Purified ab75813 at 1:10000 dilution (0.0156 µg/ml). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Immunoprecipitation - Anti-NCAM1 antibody  
[EP2567Y] (ab75813)

NCAM1 was immunoprecipitated from 0.35 mg SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysate 10 µg with ab75813 at 1/50 dilution (2µg). VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

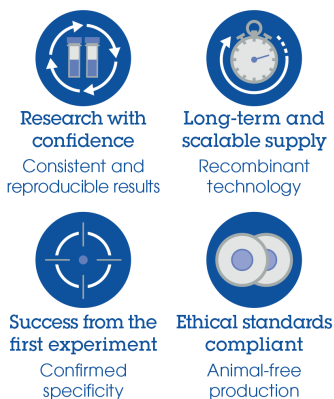
**Lane 1:** SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysate 10 µg

**Lane 2:** ab75813 IP in SH-SY5Y whole cell lysate

**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of ab75813 in SH-SY5Y whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

### Why choose a recombinant antibody?



Anti-NCAM1 antibody [EP2567Y] (ab75813)

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