abcam

Product datasheet

Anti-NCAM1 antibody [EPR21827] ab220360

リコンビナント RabMAb

2 Abreviews 8 References 画像数 10

製品の概要

製品名	Anti-NCAM1 antibody [EPR21827]
製品の詳細	Rabbit monoclonal [EPR21827] to NCAM1
由来種	Rabbit
アプリケーション	**適用あり:** WB, IHC-P, ICC/IF, IP, Flow Cyt
種交差性	**交差種:** Mouse, Rat
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Neuro-2a whole cell lysate; Mouse and rat brain and cerebellum lysates. IHC-P: Mouse stomach and cerebrum tissues; Rat colon tissue. ICC/IF: Neuro-2a cells. Flow Cyt: Neuro-2a cells. IP: Mouse and rat brain lysates.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 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	EPR21827

アイソタイプ	IgG

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ab220360の使用に適用されます

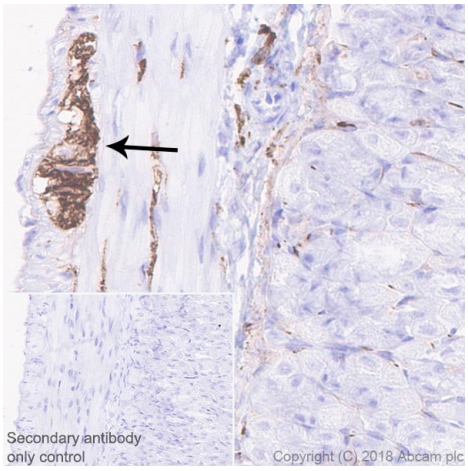
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 120-200 kDa (predicted molecular weight: 95 kDa).
IHC-P	★★★★★ (1)	1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/1000.
IP		1/30.
Flow Cyt	★★☆☆☆ (1)	1/600.

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

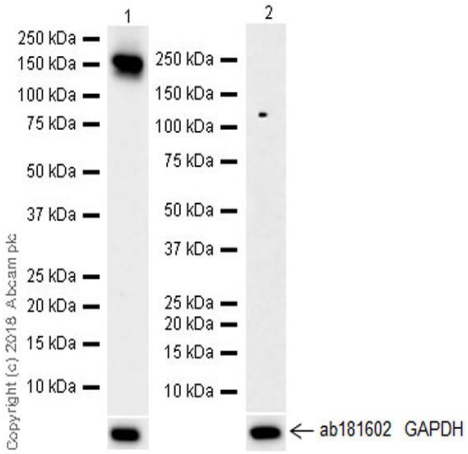


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NCAM1 antibody [EPR21827] (ab220360)

Immunohistochemical analysis of paraffin-embedded mouse stomach tissue labeling NCAM1 with ab220360 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), Ready to use. Positive staining of ganglion (arrow) in mouse stomach (PMID: 1705171). Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rab it IgG H&L (HRP), Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-NCAM1 antibody [EPR21827] (ab220360)

All lanes : Anti-NCAM1 antibody [EPR21827] (ab220360) at 1/1000 dilution

Lane 1 : Neuro-2a (mouse neuroblastoma cell line) whole cell lysate
Lane 2 : L-929 (mouse connective tissue fibroblast cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

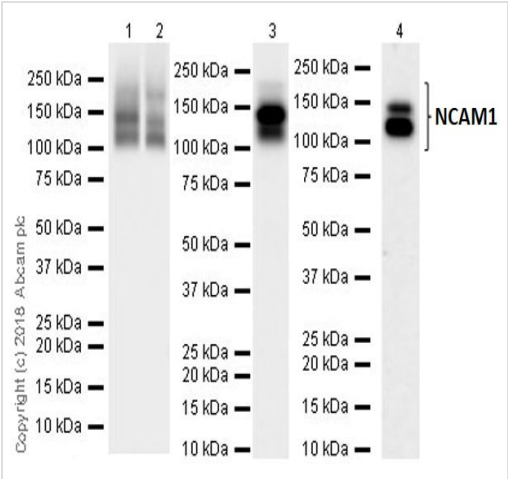
Developed using the ECL technique.

Predicted band size: 95 kDa
Observed band size: 140 kDa

Exposure time: 70 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

Negative control: L-929 (PMID: 9696812)



Western blot - Anti-NCAM1 antibody [EPR21827] (ab220360)

All lanes : Anti-NCAM1 antibody [EPR21827] (ab220360) at 1/5000 dilution

Lane 1 : Mouse brain lysate
Lane 2 : Mouse cerebellum lysate
Lane 3 : Rat brain lysate
Lane 4 : Rat cerebellum lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

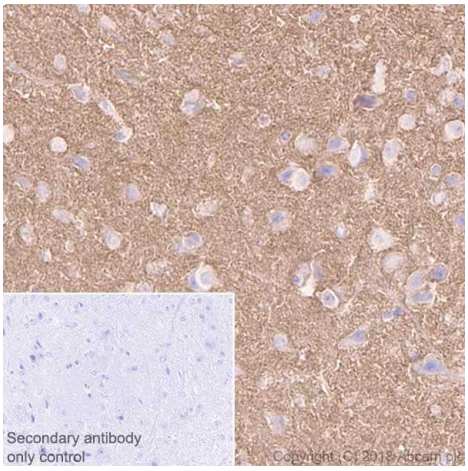
Developed using the ECL technique.

Predicted band size: 95 kDa
Observed band size: 120,140,180 kDa

Exposure time: Lanes 1-2: 26 seconds; Lane 3: 70 seconds; Lane 4: 3 minutes.

Blocking/Dilution buffer: 5% NFDM/TBST.

The 120,140 and 180kDa bands are different isoforms as reported in the literature (PMID:26288071).

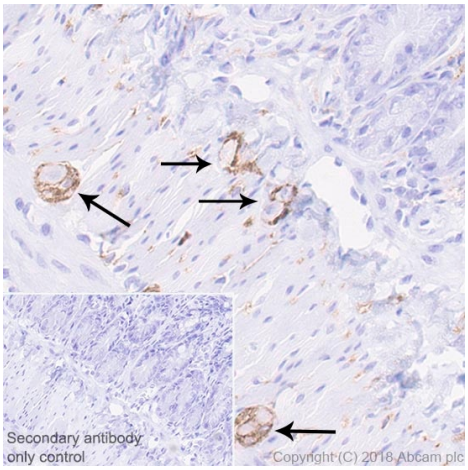


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NCAM1 antibody [EPR21827] (ab220360)

Immunohistochemical analysis of paraffin-embedded mouse cerebrum tissue labeling NCAM1 with ab220360 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), Ready to use. Positive staining on mouse cerebrum (PMID: 1705171). Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rab it IgG H&L (HRP), Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

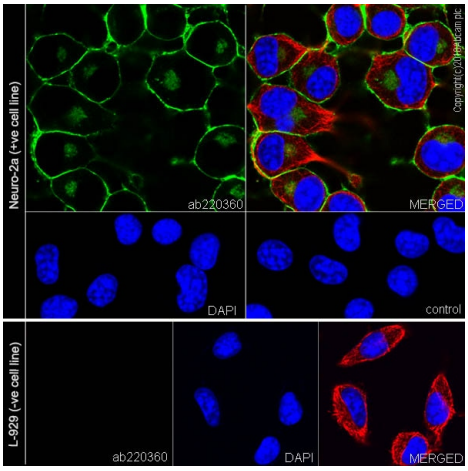


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NCAM1 antibody [EPR21827] (ab220360)

Immunohistochemical analysis of paraffin-embedded rat colon tissue labeling NCAM1 with ab220360 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), Ready to use. Positive staining of ganglia (arrows) in rat colon (PMID: 1705171). Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rab it IgG H&L (HRP), Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



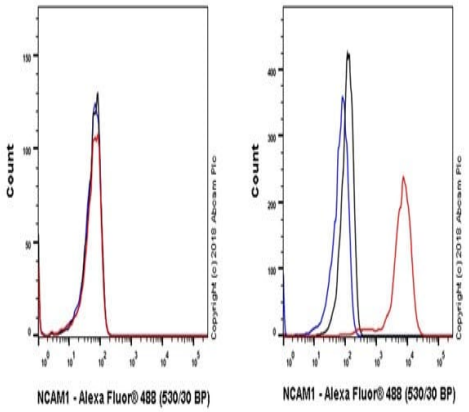
Immunocytochemistry/ Immunofluorescence - Anti-NCAM1 antibody [EPR21827] (ab220360)

Immunofluorescent analysis of 100% methanol-fixed, 0.1% Triton X-100 permeabilized Neuro-2a (mouse neuroblastoma cell line) cells labeling NCAM1 with ab220360 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing membranous staining in Neuro-2a cell line.

Negative control: L-929 PMID: 9696812).

The nuclear counter stain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) (**ab195889**) at 1/200 dilution (red).

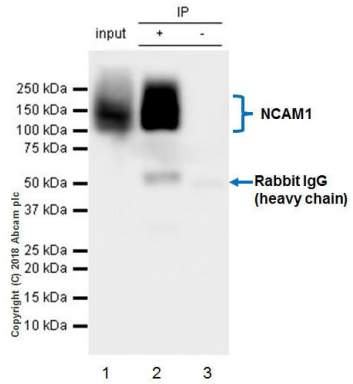
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) at 1/1000 dilution.



Flow Cytometry - Anti-NCAM1 antibody [EPR21827] (ab220360)

Flow cytometric analysis of L-929 (mouse connective tissue fibroblast cell line) cell line (left panel) and Neuro-2a (mouse neuroblastoma cell line) cell line (right panel) labeling NCAM1 with ab220360 at 1/500 dilution (red) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (**ab172730**) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) at 1/2000 dilution was used as the secondary antibody.

Gated on viable cells. **Negative control:** L-929.



Immunoprecipitation - Anti-NCAM1 antibody [EPR21827] (ab220360)

NCAM1 was immunoprecipitated from 0.35 mg of mouse brain lysate with ab220360 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab220360 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

Lane 1: Mouse brain lysate 10 µg (Input).

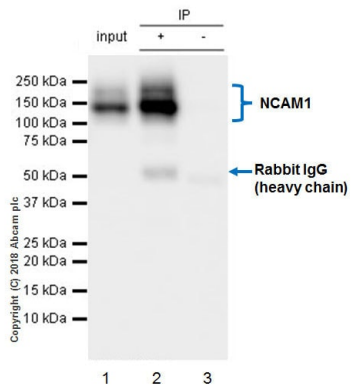
Lane 2: ab220360 IP in mouse brain lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab220360 in mouse brain lysate.

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

Exposure time: 1 second.

The 120,140 and 180kDa bands are different isoforms as reported in the literature (PMID: 26288071).



Immunoprecipitation - Anti-NCAM1 antibody [EPR21827] (ab220360)

NCAM1 was immunoprecipitated from 0.35 mg of rat brain lysate with ab220360 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab220360 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

Lane 1: Rat brain lysate 10 µg (Input).

Lane 2: ab220360 IP in rat brain lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab220360 in rat brain lysate.

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

Exposure time: 1 second.

The 120,140 and 180kDa bands are different isoforms as reported in the literature (PMID: 26288071).

Anti-NCAM1 antibody [EPR21827] (ab220360)

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