

Anti-CD166 antibody [EPR2759(2)] - BSA and Azide free ab206127

KO 評価済 リコンビナント RabMAb

1 References 画像数 9

製品の概要

製品名	Anti-CD166 antibody [EPR2759(2)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR2759(2)] to CD166 - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: WB, IP, ICC/IF, Flow Cyt, IHC-P
種交差性	交差種: Mouse, Rat, 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, HuT-78, HT-1080 and Daudi cell lysates. Mouse and rat brain tissue lysates. IHC-P: Human liver and prostatic adenocarcinoma tissues. ICC/IF: Jurkat cells. Flow Cyt: HuT-78 cells. IP: SH-SY5Y cells.
特記事項	<p>ab206127 is the carrier-free version of ab109215.</p> <p>Our carrier-free 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 conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <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[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] 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">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit</p>

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. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリモノ	モノクローナル
クローン名	EPR2759(2)
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ab206127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: 65 kDa. Please check the parent abID, ab109215 , for more information on dilutions.
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. ab199376 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols .

ターゲット情報

機能	Cell adhesion molecule that binds to CD6. Involved in neurite extension by neurons via heterophilic and homophilic interactions. May play a role in the binding of T- and B-cells to activated leukocytes, as well as in interactions between cells of the nervous system.
組織特異性	Spleen, placenta, liver, and weakly in liver. Expressed by activated T-cells, B-cells, monocytes and thymic epithelial cells. Expressed by neurons in the brain. Restricted expression in tumor cell lines. Preferentially expressed in highly metastasizing melanoma cell lines.

配列類似性

Contains 3 Ig-like C2-type (immunoglobulin-like) domains.

Contains 2 Ig-like V-type (immunoglobulin-like) domains.

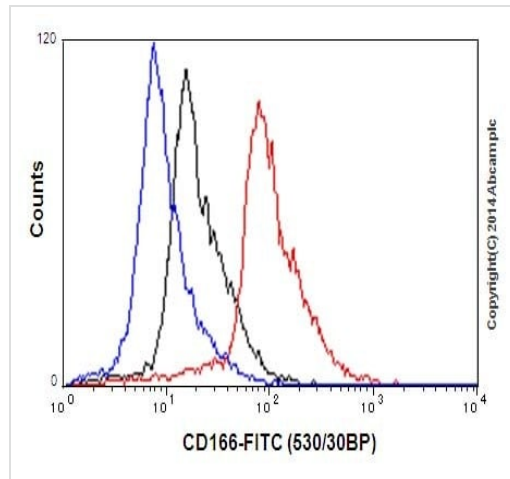
ドメイン

The CD6 binding site is located in the N-terminal Ig-like domain.

細胞内局在

Membrane.

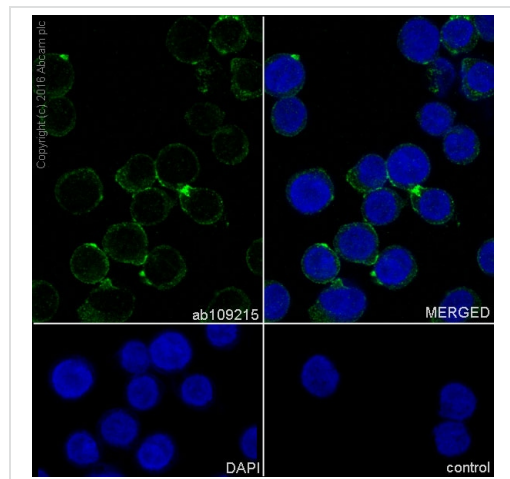
画像



Flow Cytometry analysis of HuT-78 cells labelling CD166 with purified **ab109215** at 1/90 (red). Cells were fixed with 2% paraformaldehyde. A FITC-conjugated goat anti-rabbit IgG (1/150) was used as the secondary antibody. Black - Isotype control, rabbit monoclonal IgG. Blue - Unlabelled control, cells without incubation with primary and secondary antibodies.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109215**).

Flow Cytometry - Anti-CD166 antibody [EPR2759(2)]
- BSA and Azide free (ab206127)

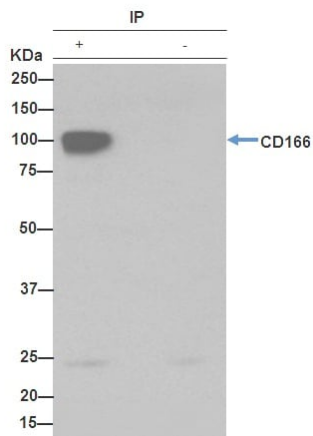


Immunocytochemistry/Immunofluorescence analysis of THP-1 (human monocytic leukemia cell line) cells labelling CD166 (green) with purified **ab109215** at 1/250. Cells were fixed with 100% methanol. **ab150077**, Alexa Fluor[®] 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI (blue) was used as a nuclear counterstain.

Secondary Only Control: PBS was used instead of the primary antibody as the negative control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109215**).

Immunocytochemistry/ Immunofluorescence - Anti-CD166 antibody [EPR2759(2)] - BSA and Azide free (ab206127)



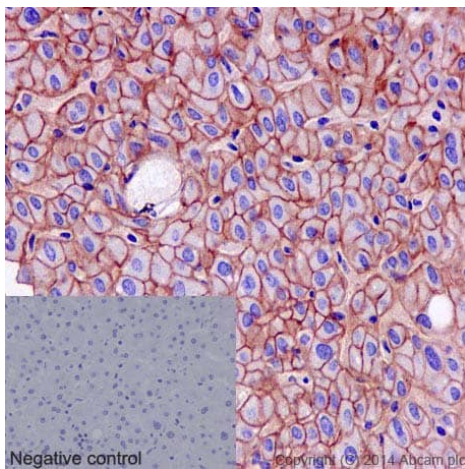
Immunoprecipitation - Anti-CD166 antibody
[EPR2759(2)] - BSA and Azide free (ab206127)

ab109215 (purified) at 1/30 immunoprecipitating CD166 in SH-SY5Y (human neuroblastoma cell line from bone marrow) cell lysate (Lane 1). Lane 2 - PBS. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500).

Blocking buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm /TBST.

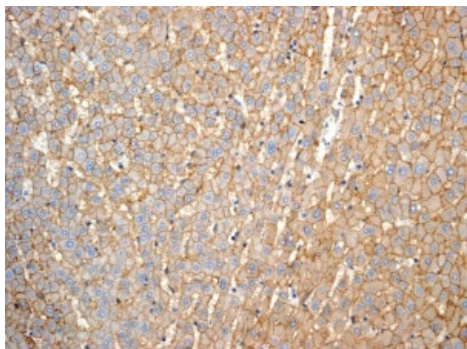
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109215**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD166 antibody
[EPR2759(2)] - BSA and Azide free (ab206127)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue labelling CD166 with purified **ab109215** at 1/50. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109215**).

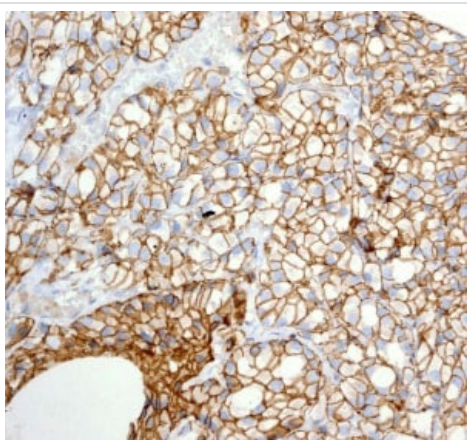


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD166 antibody [EPR2759(2)] - BSA and Azide free (ab206127)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue labelling CD166 with unpurified **ab109215** at 1/100.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109215**).

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

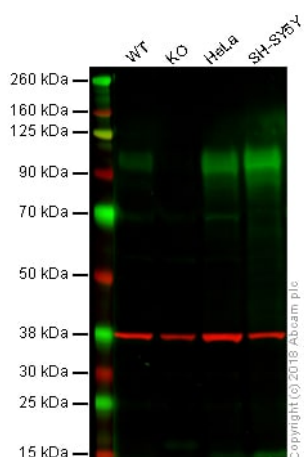


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD166 antibody [EPR2759(2)] - BSA and Azide free (ab206127)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostatic adenocarcinoma tissue labelling CD166 with unpurified **ab109215** at 1/100.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109215**).

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-CD166 antibody [EPR2759(2)] - BSA and Azide free (ab206127)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109215**).

Lane 1: Wild-type HAP1 whole cell lysate (20 µg)

Lane 2: CD166 knockout HAP1 whole cell lysate (20 µg)

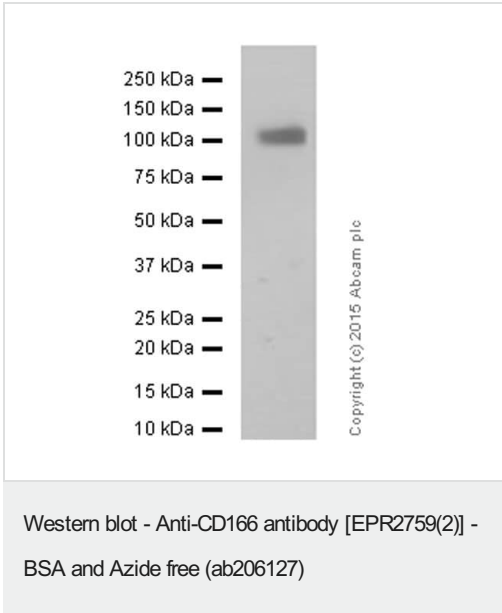
Lane 3: HeLa whole cell lysate (20 µg)

Lane 4: SH-SY5Y whole cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - **ab109215** observed at 100 kDa. Red - loading control, **ab9484**, observed at 37 kDa.

ab109215 was shown to specifically react with CD166 in wild-type HAP1 cells as signal was lost in CD166 knockout cells. Wild-type and CD166 knockout samples were subjected to SDS-PAGE. Ab109215 and **ab9484** (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution

respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed [ab216772](#) and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed [ab216777](#) secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Anti-CD166 antibody [EPR2759(2)] - BSA and Azide free (ab206127) + SH-SY5Y (human neuroblastoma) whole cell lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#))

Predicted band size: 65 kDa

Observed band size: 100-105 kDa

Exposure time: 1 minute

Blocking buffer and concentration: 5% NFDm/TBST

Diluting buffer and concentration: 5% NFDm/TBST

Why choose a recombinant antibody?

<p>Research with confidence Consistent and reproducible results</p>	<p>Long-term and scalable supply Recombinant technology</p>
<p>Success from the first experiment Confirmed specificity</p>	<p>Ethical standards compliant Animal-free production</p>

Anti-CD166 antibody [EPR2759(2)] - BSA and Azide free (ab206127)

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