abcam

Product datasheet

Hematopoietic Stem Cell Marker (CD34, CD59, CD90 / Thy1, CD38, c-Kit) Antibody Panel - Human ab254022

リコンビナント

1 References 画像数 10

製品の概要

製品名

Hematopoietic Stem Cell Marker (CD34, CD59, CD90 / Thy1, CD38, c-Kit) Antibody Panel - Human

種交差性

交差種: Human

製品の概要

Hematopoietic Stem Cell Marker (CD34, CD59, CD90 / Thy1, CD38, c-Kit) Antibody Panel - Human ab254022 contains multiple trial-sized versions of anti-human antibody clones against CD34, CD59, CD90 / Thy1, CD38, c-Kit, specifically selected for high performance in various applications. This panel contains 5 recombinant rabbit monoclonal antibodies against human CD34, CD59, CD90 / Thy1, CD38, c-Kit. They are provided as a sampler panel to allow you to easily evaluate each in your required applications.

For guidelines on how to use each antibody within the panel, please consult the individual datasheet for each antibody.

Panel contains:

- Rabbit monoclonal [EP373Y] to CD34 (20 µL) **ab81289**

- Rabbit monoclonal [EPR6425(2)] to CD59 (20 µL) **ab133707**

- Rabbit monoclonal [EPR3133] to CD90 / Thy1 (20 µL) **ab133350**

- Rabbit monoclonal [EPR4106] to CD38 (20 µL) **ab108403**

- Rabbit monoclonal [YR145] to c-Kit (20 µL) **ab32363**

特記事項

Explore our range of antibody sample panels designed to provide you with a variety of trial-size antibodies in a convenient and cost-effective format.

Carrier-free formulations of our recombinant antibodies are available and ready to use for

multiplex IHC analysis including Imaging Mass Cytometry™. Please refer to the 'Associated products' section below.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

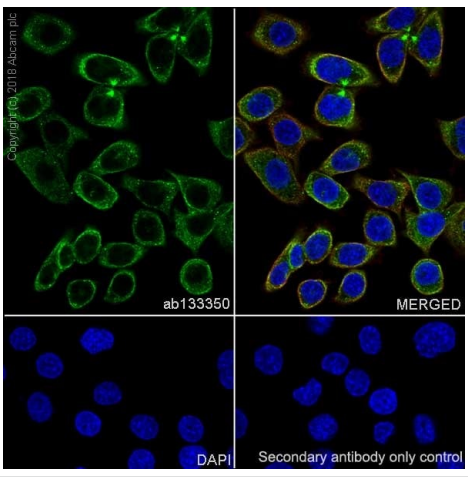
製品の特性

保存方法 Store at -20°C. Please refer to protocols.

内容	1 kit
ab81289 - Anti-CD34 antibody [EP373Y]	2 x 10µl
ab108403 - Anti-CD38 antibody [EPR4106]	2 x 10µl
ab133707 - Anti-CD59 antibody [EPR6425(2)]	2 x 10µl
ab133350 - Anti-CD90 / Thy1 antibody [EPR3133]	2 x 10µl
ab32363 - Anti-c-Kit antibody [YR145]	2 x 10µl

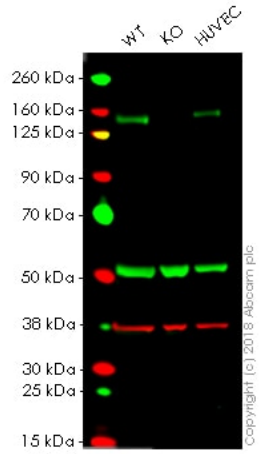
細胞内局在 CD34: Membrane. CD38: Membrane. CD59: Cell membrane. Secreted. Soluble form found in a number of tissues. c-Kit: Cell membrane and Cytoplasm. Detected in the cytoplasm of spermatozoa, especially in the equatorial and subacrosomal region of the sperm head. CD90 / Thy1: Cell membrane.

画像



Immunocytochemistry/ Immunofluorescence - Anti-CD90 / Thy1 antibody [EPR3133]

ab133350 staining CD90 / Thy1 in the SH-SY5Y human neuroblastoma epithelial cell line by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody (1/100). **ab150077** an Alexa Fluor® 488-conjugated Goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI was used as a nuclear counter stain and Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) was used to counter stain microtubules.



Western blot - Anti-c-Kit antibody [YR145]

All lanes : Anti-c-Kit antibody [YR145] (**ab32363**) at 1/1000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : KIT knockout HAP1 whole cell lysate

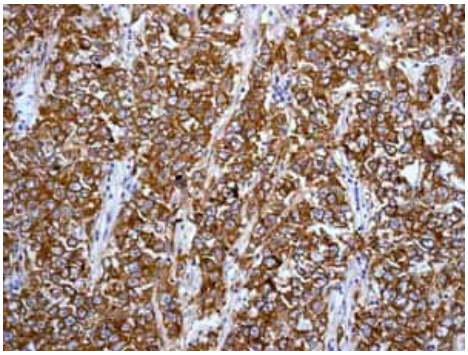
Lane 3 : HUVEC whole cell lysate

Lysates/proteins at 40 µg per lane.

Predicted band size: 110 kDaLanes 1 - 3: Merged signal (red and green). Green - **ab32363** observed at 109 kDa. Red - loading control, **ab9484**, observed at 37 kDa.

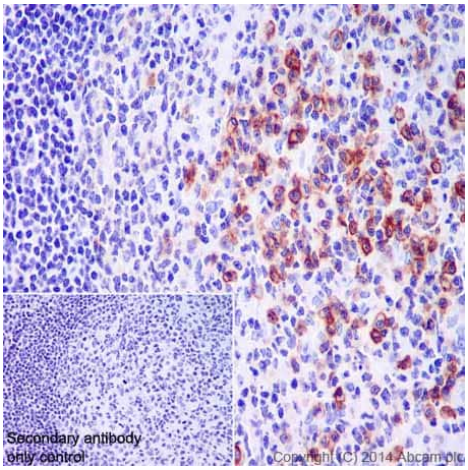
Lanes 1 - 3: Merged signal (red and green). Green - **ab32363** observed at 109 kDa. Red - loading control, **ab9484**, observed at 37 kDa.

ab32363 was shown to recognize 0 in wild-type HAP1 cells as signal was lost at the expected MW in KIT knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and KIT knockout samples were subjected to SDS-PAGE. Ab32363 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-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



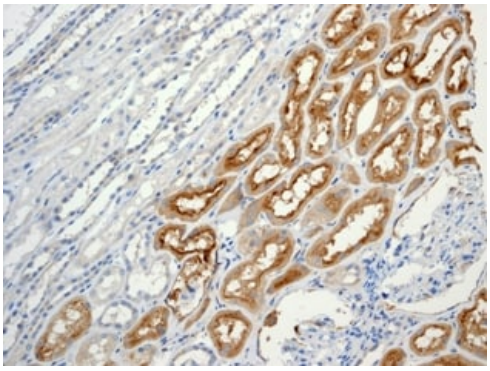
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-c-Kit antibody [YR145]

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human seminoma tissue labelling c-Kit with unpurified **ab32363**.



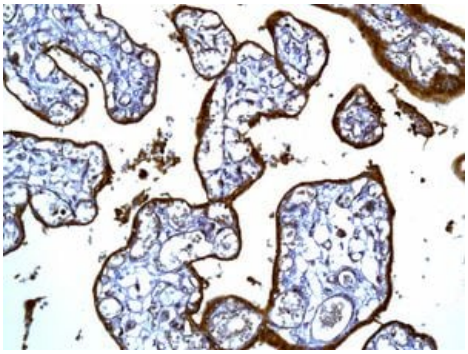
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD38 antibody [EPR4106]

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling CD38 with purified **ab108403** at 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



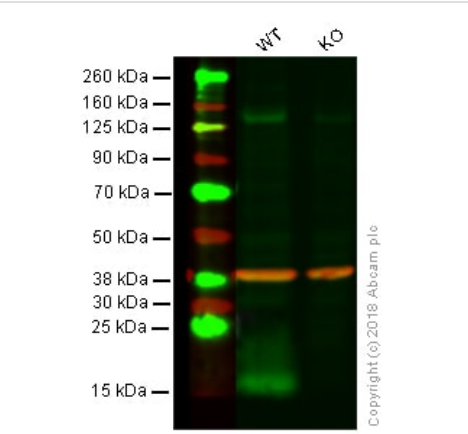
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD90 / Thy1 antibody [EPR3133]

Immunohistochemical analysis of paraffin-embedded Human normal kidney tissue labelling CD90 / Thy1 with **ab133350** at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD59 antibody [EPR6425(2)]

Immunohistochemical analysis of CD59 in paraffin embedded Human placenta tissue labelled with **ab133707** at a 1/100 dilution.

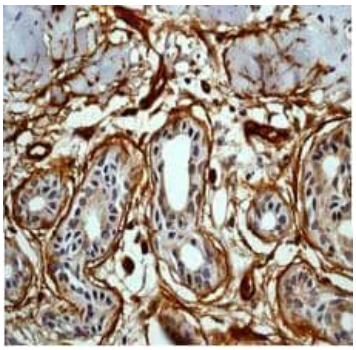


Western blot - Anti-CD59 antibody [EPR6425(2)]

Lane 1: Wild-type HAP1 whole cell lysate (40 µg)
Lane 2: CD59 knockout HAP1 whole cell lysate (40 µg)

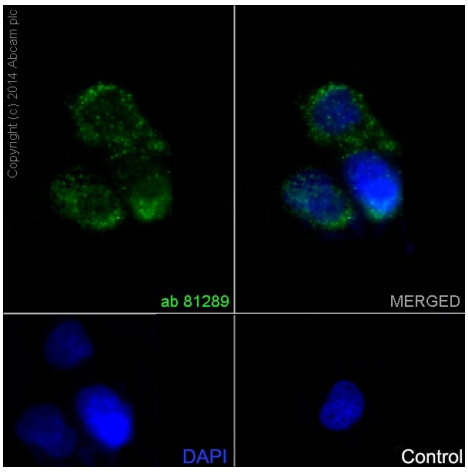
Lanes 1 - 2: Merged signal (red and green). Green - Anti-CD59 antibody [EPR6425(2)] (**ab133707**) observed at 14 kDa. Red - loading control, **ab9484**, observed at 37 kDa.

ab133707 was shown to specifically react with CD59 in wild-type HAP1 cells as signal was lost in CD59 knockout cells. Wild-type and CD59 knockout samples were subjected to SDS-PAGE. Ab133707 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-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD34 antibody [EP373Y]

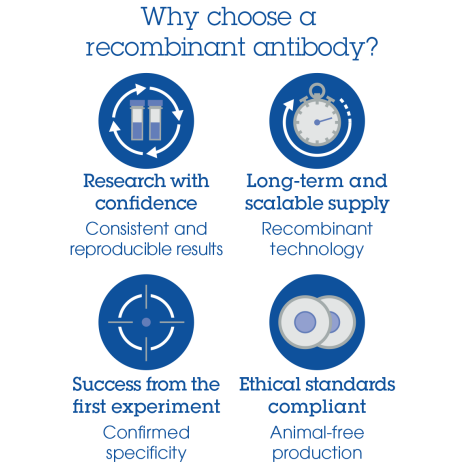
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human angiosarcoma labeling CD34 with unpurified **ab81289** at 1/100-1/250.



Immunocytochemistry/ Immunofluorescence - Anti-CD34 antibody [EP373Y]

Immunocytochemistry/Immunofluorescence analysis of HUVEC (Human umbilical vein endothelial cell line) cells labelling CD34 with purified **ab81289** at 1/100. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (**ab150077**) (1/500) was used as the secondary antibody. DAPI (blue) was used as the nuclear counter stain.

Control: primary antibody (1/100) and secondary antibody, **ab150120**, an Alexa Fluor® 488-conjugated goat anti-mouse IgG (1/500).



Hematopoietic Stem Cell Marker (CD34, CD59, CD90 / Thy1, CD38, c-Kit) Antibody Panel - Human (ab254022)

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