Overview

Product name: Anti-Endothelium antibody [PAL-E] ab8086

Description: Mouse monoclonal [PAL-E] to Endothelium

Host species: Mouse


Tested applications: Suitable for: IHC-Fr

Unsuitable for: WB

Species reactivity: Reacts with: Rabbit, Goat, Dog, Human, Pig

Does not react with: Mouse, Rat, Chicken

Immunogen: Tissue, cells or virus corresponding to Human Endothelium.

Positive control: IHC-Fr: human spleen tissue

General notes: The antibody only stains human and various animal (goat, rabbit, pig, dog) blood vessels with the exception of arteries.

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.

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&As

Properties

Form: Liquid


Storage buffer: pH: 7.3

Preservative: 0.07% Sodium azide

Purity: Tissue culture supernatant
Primary antibody notes
The antibody only stains human and various animal (goat, rabbit, pig, dog) blood vessels with the exception of arteries.

Clonality
Monoclonal

Clone number
PAL-E

Isotype
IgG2a

Applications

The Abpromise guarantee
Our Abpromise guarantee covers the use of ab8086 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>IHC-Fr</td>
<td>★★★★★ (1)</td>
<td>1/100. Fix with acetone.</td>
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Application notes
Is unsuitable for WB.

Target

Relevance
The endothelium is located at the interface between the blood and the vessel wall. The cells are in close contact and form a slick layer that prevents blood cell interaction with the vessel wall as blood moves through the vessel lumen. The endothelium consists of simple squamous epithelium that lines the lumen of all blood vessels. It plays a critical role in the mechanics of blood flow, the regulation of coagulation, leukocyte adhesion, and vascular smooth muscle cell growth, and also serves as a barrier to the transvascular diffusion of liquids and solutes. For years the endothelium was thought of as an inert single layer of cells that passively allow the passage of water and other small molecules across the vessel wall. However, this dynamic tissue performs many other active functions, such as the secretion and modification of vasoactive substances and the contraction and relaxation of vascular smooth muscle.

Images
Immunohistochemistry (Frozen sections) - Anti-Endothelium antibody [PAL-E] (ab8086)

Immunohistochemistry (Frozen sections) analysis of frozen human sleep tissue section labeling Endothelium with ab8086. The frozen section is fixated using acetone.

The magnification is 100 times.

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

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