

Product datasheet

Anti-ICAM1 antibody [EPR19938] ab206398

Recombinant RabMAb

3 References 4 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-ICAM1 antibody [EPR19938] |
| Description | Rabbit monoclonal [EPR19938] to ICAM1 |
| Host species | Rabbit |
| Tested applications | Suitable for: IHC-P, WB |
| Species reactivity | Reacts with: Rat |
| Immunogen | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | WB: Rat spleen, lung, liver and kidney lysates; C6 and L6 whole cell lysates. IHC-P: Rat liver and kidney tissues. |
| General notes | <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 monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | 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. |
| Storage buffer | pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR19938 |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab206398 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| IHC-P | | 1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |
| WB | | 1/5000. Detects a band of approximately 80-110 kDa (predicted molecular weight: 60 kDa). |

Target

Function

ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation. In case of rhinovirus infection acts as a cellular receptor for the virus.

Sequence similarities

Belongs to the immunoglobulin superfamily. ICAM family.
Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

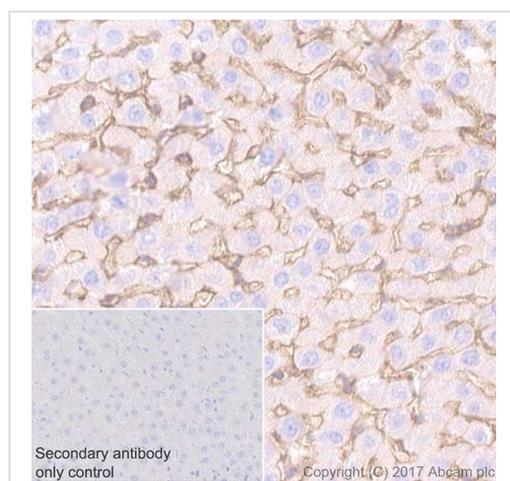
Post-translational modifications

Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis.

Cellular localization

Membrane.

Images



Immunohistochemical analysis of paraffin-embedded rat liver tissue labeling ICAM1 with ab206398 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

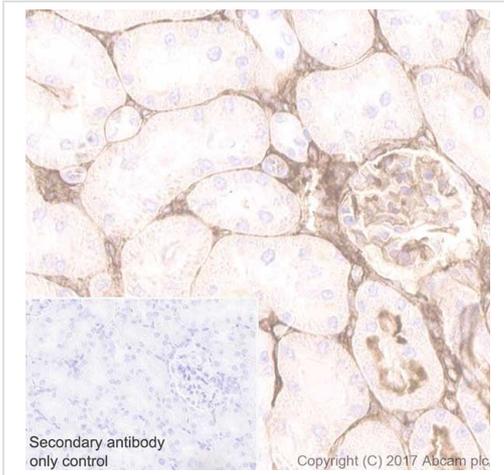
Membranous staining on sinusoidal endothelial cells of rat liver [PMID: 17058232].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ICAM1 antibody [EPR19938] ([ab206398](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ICAM1 antibody [EPR19938] (ab206398)

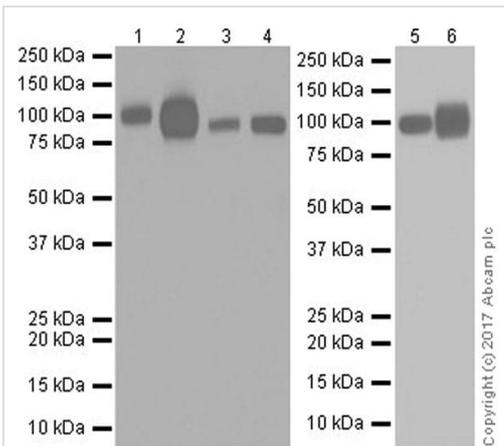
Immunohistochemical analysis of paraffin-embedded rat kidney tissue labeling ICAM1 with ab206398 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Positive staining on extracellular matrix and blood vessels of rat kidney [PMID: 9198039] [PMID 7902311].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-ICAM1 antibody [EPR19938] (ab206398)

All lanes : Anti-ICAM1 antibody [EPR19938] (ab206398) at 1/5000 dilution

Lane 1 : Rat spleen lysate at 20 µg

Lane 2 : Rat lung lysate at 20 µg

Lane 3 : C6 (Rat glial tumor cell line) whole cell lysate at 10 µg

Lane 4 : L6 (Rat skeletal muscle cell line) whole cell lysate at 10 µg

Lane 5 : Rat liver lysate at 20 µg

Lane 6 : Rat kidney lysate at 20 µg

Secondary

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

Predicted band size: 60 kDa

Observed band size: 80-110 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: Lanes 1-4: 5 seconds; Lanes 5/6: 1 minute.

The observed molecular weight is consistent with the literature (PMID: 1712683).

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-ICAM1 antibody [EPR19938] (ab206398)

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

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