

Product datasheet

Anti-ICAM2 antibody [EPR18231-183] ab189463

Recombinant RabMAb

5 Images

Overview

Product name	Anti-ICAM2 antibody [EPR18231-183]
Description	Rabbit monoclonal [EPR18231-183] to ICAM2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, IP
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse heart, kidney and bEnd.3 cell lysate. IHC: Mouse cerebral cortex and spleen tissue. IP: bEnd.3 cell lysate.
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: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR18231-183
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab189463 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
WB		1/1000. Detects a band of approximately 60 kDa (predicted molecular weight: 31 kDa).
IHC-P		1/8000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		1/60.

Target

Function

ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). ICAM2 may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance.

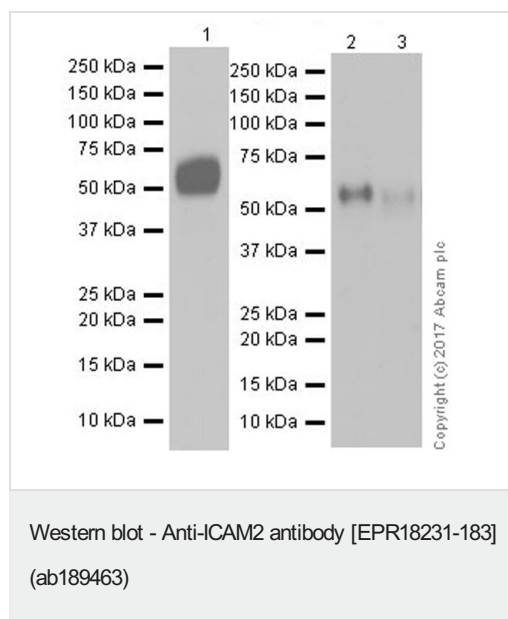
Sequence similarities

Belongs to the immunoglobulin superfamily. ICAM family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

Cellular localization

Membrane.

Images



All lanes : Anti-ICAM2 antibody [EPR18231-183] (ab189463) at 1/1000 dilution

Lane 1 : bEnd.3 (mouse brain endothelioma cell line) cell lysate

Lane 2 : Mouse heart lysate

Lane 3 : Mouse kidney lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Developed using the ECL technique.

Performed under reducing conditions.

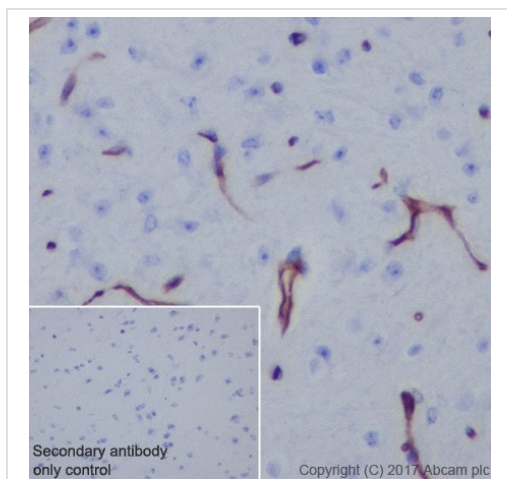
Predicted band size: 31 kDa

Observed band size: 60 kDa

The molecular weight observed is consistent with what has been described in the literature (PMID: 1676048).

Blocking/Dilution: 5% NFDN/TBST

Exposure: Lane1: 5 seconds; lanes 2 and 3: 3 minutes

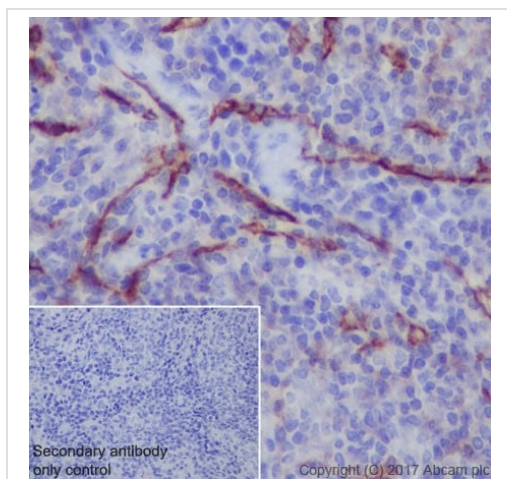


Immunohistochemical analysis of paraffin-embedded mouse cerebral cortex tissue labeling ICAM2 with ab189463 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), ready to use. Positive staining on vascular endothelium of mouse cerebral cortex (PMID: 12516546). Counter stained with Hematoxylin.

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

Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ICAM2 antibody [EPR18231-183] (ab189463)

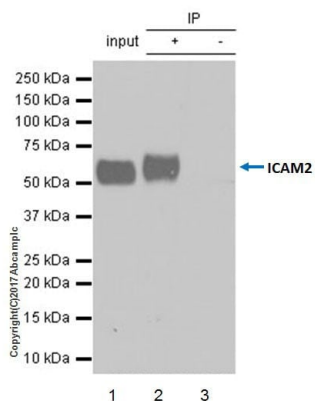


Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling ICAM2 with ab189463 at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), ready to use. Positive staining on vascular endothelium of mouse spleen (PMID: 12516546). Counter stained with Hematoxylin.

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

Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ICAM2 antibody [EPR18231-183] (ab189463)



Immunoprecipitation - Anti-ICAM2 antibody
[EPR18231-183] (ab189463)

ICAM2 was immunoprecipitated from 0.35 mg of bEnd.3 (mouse brain endothelioma cell line) whole cell lysate with ab189463 at 1/60 dilution. Western blot was performed from the immunoprecipitate using ab189463 at 1/1,000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10,000 dilution.

Lane 1: bEnd.3 whole cell lysate 10 µg (Input).

Lane 2: ab189463 IP in bEnd.3 whole cell lysate (+).

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab189463 in bEnd.3 whole cell lysate (-).

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

Exposure time: 30 seconds

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-ICAM2 antibody [EPR18231-183] (ab189463)

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

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