

Product datasheet

Anti-CEACAM3 antibody ab196606

4 Images

Overview

Product name	Anti-CEACAM3 antibody
Description	Rabbit polyclonal to CEACAM3
Host species	Rabbit
Specificity	ab196606 detects endogenous level of total CEACAM3 protein
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment within Human CEACAM3 (N terminal). The exact sequence is proprietary. Database link: P40198
Positive control	A549 whole cell lysate (ab7910) can be used as a positive control in WB. Paraffin-embedded human epididymis, Human lung and Human testis tissue. A459, HT29, Mous eliver, Mouse lung and Mouse testis lysates.

General notes

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as customer reviews and Q&As.

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: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, 49% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab196606** in the following tested applications.

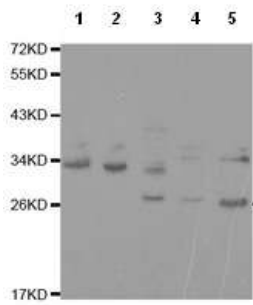
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/200.
WB		1/500 - 1/2000. Predicted molecular weight: 27 kDa.

Target

Function	Major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms, including Neisseria, Moxarella and Haemophilus species, thus playing an important role in the clearance of pathogens by the innate immune system. Responsible for RAC1 stimulation in the course of pathogen phagocytosis.
Tissue specificity	CGM1a, the predominant CGM1 transcript, is granulocyte-specific. Not detected out of the granulocytic lineage, such as monocytes, lymphocytes, spleen, testis, colon, brain, liver, pancreas, thymus, ovary, placenta, skeletal muscle, prostate, small intestine, heart, lung and kidney.
Sequence similarities	Belongs to the immunoglobulin superfamily. CEA family. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Domain	The cytosolic domain is involved in S100A9 interaction.
Post-translational modifications	Tyrosine-phosphorylated in response to microbial binding. Tyr-230 and Tyr-241 are both required for phosphorylation to be detected.
Cellular localization	Membrane.

Images



Western blot - Anti-CEACAM3 antibody (ab196606)

All lanes : Anti-CEACAM3 antibody (ab196606) at 1/500 dilution

Lane 1 : A549 cell lysate

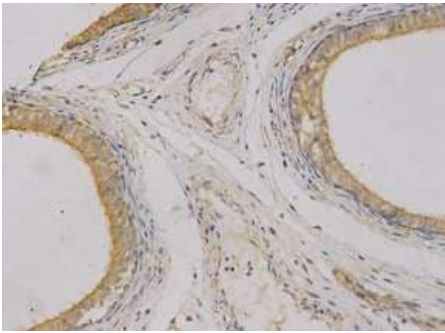
Lane 2 : HT29 cell lysate

Lane 3 : Mouse liver lysate

Lane 4 : Mouse lung lysate

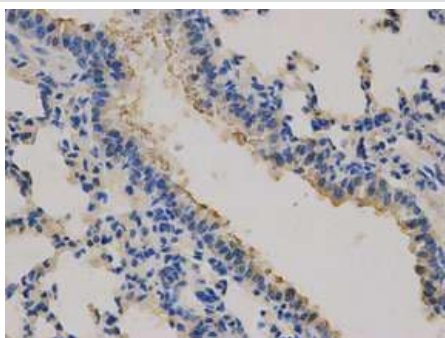
Lane 5 : Mouse testis lysate

Predicted band size: 27 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CEACAM3 antibody (ab196606)

Immunohistochemical analysis of paraffin-embedded human epididymis labeling CEACAM3 using ab196606 at 1/100 dilution



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CEACAM3 antibody (ab196606)

Immunohistochemical analysis of paraffin-embedded human lung labeling CEACAM3 using ab196606 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CEACAM3 antibody (ab196606)

Immunohistochemical analysis of paraffin-embedded human testis labeling CEACAM3 using ab196606 at 1/100 dilution.

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

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