



## Product datasheet

# Anti-CEACAM6 antibody [1H7-4B] ab254157

Recombinant

4 Images

### Overview

<b>Product name</b>	Anti-CEACAM6 antibody [1H7-4B]
<b>Description</b>	Mouse monoclonal [1H7-4B] to CEACAM6
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt or ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human CEACAM6. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements. Database link: <a href="#">P40199</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: HT-29 and A549 whole cell lysate. IHC-P: Human colon and colon carcinoma tissue.
<b>General notes</b>	This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a> . This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> For more information <a href="#">see here</a> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	1H7-4B
<b>Isotype</b>	IgG1

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab254157 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
<b>WB</b>		Use a concentration of 0.413 µg/ml. Predicted molecular weight: 37 kDa.
<b>IHC-P</b>		Use a concentration of 0.207 µg/ml.

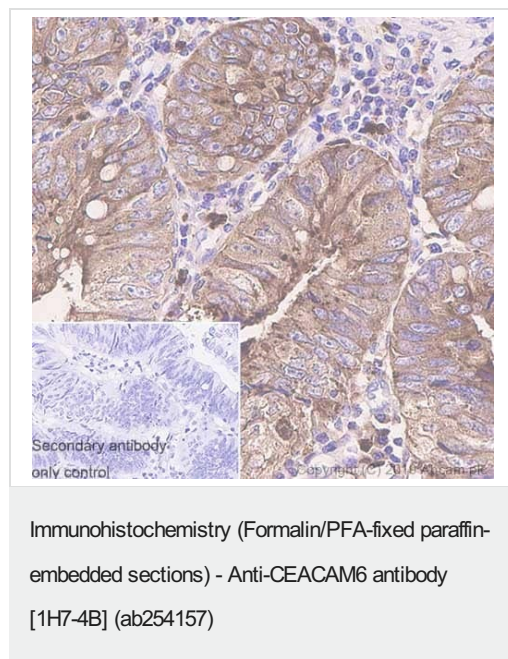
**Application notes** Is unsuitable for Flow Cyt or ICC/IF.

## Target

**Sequence similarities** Belongs to the immunoglobulin superfamily. CEA family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.

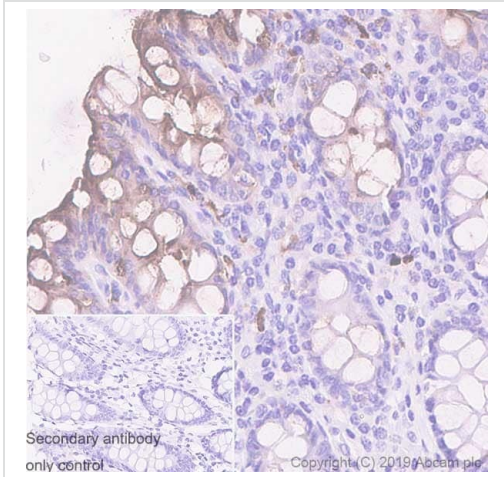
**Cellular localization** Cell membrane.

## Images



Formalin-fixed, paraffin-embedded human colon carcinoma tissue stained for CEACAM6 using ab254157 at 0.207µg/ml in immunohistochemical analysis. Positive staining on the human colon carcinoma is observed. A ready to use Goat Anti-Mouse IgG H&L (HRP polymer) ([ab214879](#)) was used as the secondary antibody.

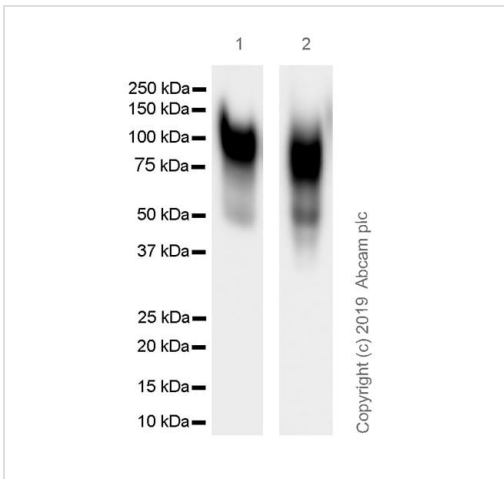
Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CEACAM6 antibody [1H7-4B] (ab254157)

Formalin-fixed, paraffin-embedded human colon tissue stained for CEACAM6 using ab254157 at 0.207 µg/ml in immunohistochemical analysis. Positive staining on the human colon is observed. A ready to use Goat Anti-Mouse IgG H&L (HRP polymer) (**ab214879**) was used as the secondary antibody.

Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).



Western blot - Anti-CEACAM6 antibody [1H7-4B] (ab254157)

**All lanes** : Anti-CEACAM6 antibody [1H7-4B] (ab254157) at 0.413 µg/ml

**Lane 1** : HT-29 (human colorectal adenocarcinoma epithelial cell), whole cell lysate

**Lane 2** : A549 (human lung carcinoma epithelial cell), whole cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes** : Peroxidase-Conjugated Goat anti-Mouse IgG (H+L) at 1/10000 dilution

**Predicted band size:** 37 kDa

CEACAM6 protein (95 kd) was observed. The molecular weight is consistent with that has been described in the literature (PMID: 24040308).

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure times: Lane 1: 15 secs; Lane 2: 5 secs.

### 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-CEACAM6 antibody [1H7-4B] (ab254157)

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

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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