

### Anti-CD97 antibody - C-terminal ab155798

3 Images

#### Overview

<b>Product name</b>	Anti-CD97 antibody - C-terminal
<b>Description</b>	Rabbit polyclonal to CD97 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide, corresponding to a region within C terminal amino acids 771-835 of Human CD97 (Uniprot ID P48960)
<b>Positive control</b>	A549, HeLa, HepG2 and HCT116 whole cell lysates, paraffin-embedded Human TOV21G xenograft, methanol-fixed HeLa cells.
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.00</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)</p>
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

**The Abpromise guarantee**

Our **Abpromise guarantee** covers the use of ab155798 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		1/500 - 1/3000. Predicted molecular weight: 92 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Use 10mM Citrate buffer or alternatively Tris-EDTA buffer (pH 8.0) may be used
ICC/IF		1/100 - 1/1000.

**Target****Function**

Receptor potentially involved in both adhesion and signaling processes early after leukocyte activation. Plays an essential role in leukocyte migration.

**Tissue specificity**

Broadly expressed, found on most hematopoietic cells, including activated lymphocytes, monocytes, macrophages, dendritic cells, and granulocytes. Expressed also abundantly by smooth muscle cells. Expressed in thyroid, colorectal, gastric, esophageal and pancreatic carcinomas too. Expression are increased under inflammatory conditions in the CNS of multiple sclerosis and in synovial tissue of patients with rheumatoid arthritis. Increased expression of CD97 in the synovium is accompanied by detectable levels of soluble CD97 in the synovial fluid.

**Sequence similarities**

Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily.  
Contains 5 EGF-like domains.  
Contains 1 GPS domain.

**Domain**

The first two EGF domains mediate the interaction with DAF. A third tandemly arranged EGF domain is necessary for the structural integrity of the binding region.  
Binding to chondroitin sulfate is mediated by the fourth EGF domain.

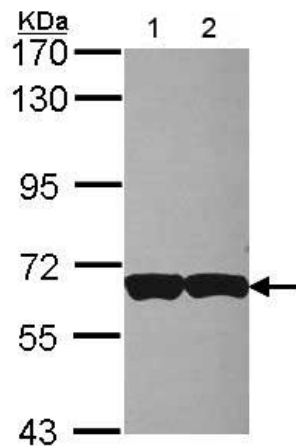
**Post-translational modifications**

Proteolytically cleaved into 2 subunits, an extracellular alpha subunit and a seven-transmembrane subunit.

**Cellular localization**

Cell membrane and Secreted > extracellular space.

**Images**



Western blot - Anti-CD97 antibody - C-terminal (ab155798)

**All lanes** : Anti-CD97 antibody - C-terminal (ab155798) at 1/1000 dilution

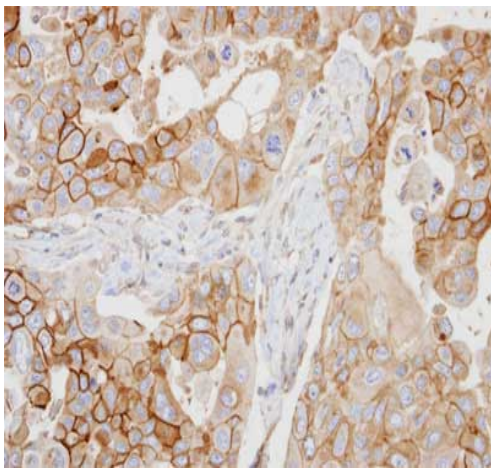
**Lane 1** : HepG2 whole cell lysate

**Lane 2** : HCT116 whole cell lysate

Lysates/proteins at 30 µg per lane.

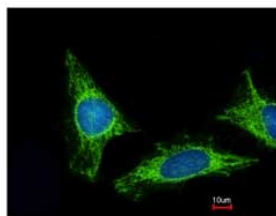
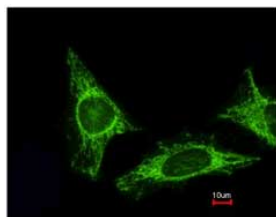
**Predicted band size:** 92 kDa

7.5% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD97 antibody - C-terminal (ab155798)

Immunohistochemical analysis of paraffin-embedded Human TOV21G xenograft, labeling CD97 with ab155798 at 1/100 dilution.



Immunofluorescence analysis of methanol-fixed HeLa cells labeling CD97 with ab155798 at 1/200 dilution (green). Bottom image shows costaining with Hoeschst 33342 (blue).

Immunocytochemistry/ Immunofluorescence - Anti-CD97 antibody - C-terminal (ab155798)

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

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