


## Product datasheet

# Anti-EMC4 antibody [EPR15080] ab184544

Recombinant RabMAb

[4 References](#) [6 Images](#)

### Overview

<b>Product name</b>	Anti-EMC4 antibody [EPR15080]
<b>Description</b>	Rabbit monoclonal [EPR15080] to EMC4
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	293, SH-SY5Y, U87-MG and HepG2 cell lysates; Human brain and ovarian carcinoma tissues; mouse liver tissue.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### 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: 40% Glycerol (glycerin, glycerine), PBS, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR15080

Isotype

IgG

## Applications

### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab184544 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
IP		1/50 - 1/70.
WB		1/10000 - 1/50000. Detects a band of approximately 20, 17 kDa (predicted molecular weight: 20 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

## Target

### Function

May mediate anti-apoptotic activity.

### Tissue specificity

Isoform 1 is expressed in brain and heart. Isoform 2 is expressed in heart.

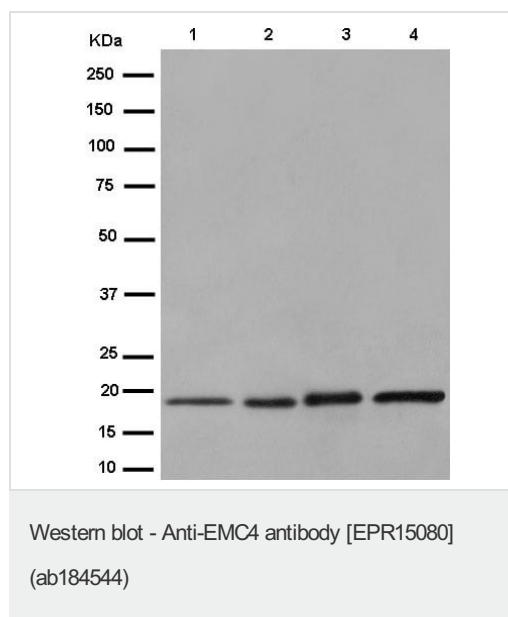
### Sequence similarities

Belongs to the TMEM85 family.

### Cellular localization

Membrane.

## Images



**All lanes :** Anti-EMC4 antibody [EPR15080] (ab184544) at 1/10000 dilution

**Lane 1 :** 293 cell lysate

**Lane 2 :** SH-SY5Y cell lysate

**Lane 3 :** U87-MG cell lysate

**Lane 4 :** HepG2 cell lysate

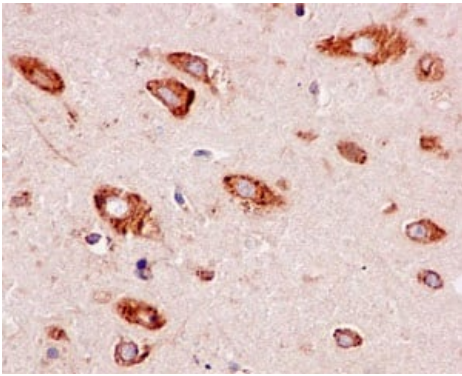
Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

**Predicted band size:** 20 kDa

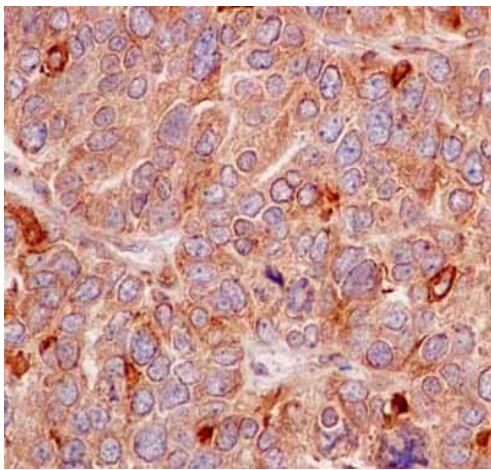
**Observed band size:** 17,20 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EMC4 antibody [EPR15080] (ab184544)

Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling EMC4 with ab184544 at 1/100 dilution followed by prediluted HRP Polymer for Rabbit IgG. Counter stained using hematoxylin.

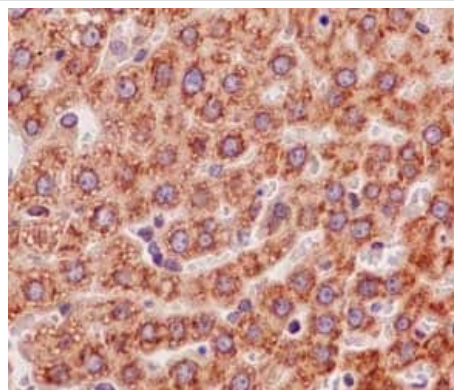
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EMC4 antibody [EPR15080] (ab184544)

Immunohistochemical analysis of paraffin-embedded human ovarian carcinoma tissue labeling EMC4 with ab184544 at 1/100 dilution followed by prediluted HRP Polymer for Rabbit IgG. Counter stained using hematoxylin.

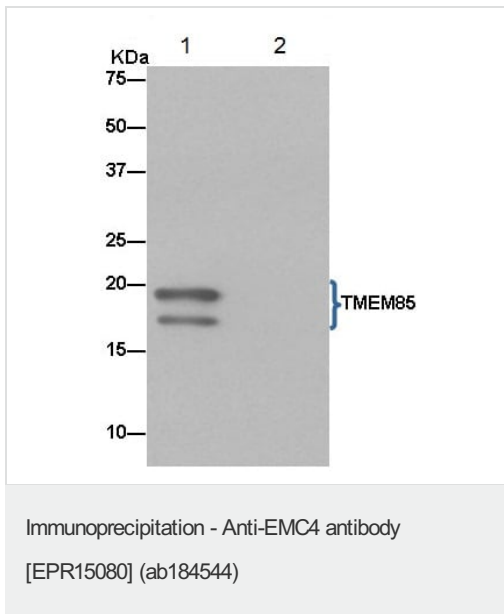
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EMC4 antibody [EPR15080] (ab184544)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue labeling EMC4 with ab184544 at 1/100 dilution followed by prediluted HRP Polymer for Rabbit IgG. Counter stained using hematoxylin.


Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot analysis of EMC4 in HepG2 cell lysate immunoprecipitated using ab184544 at 1/50 dilution (Lane 1). Lane 2: PBS.

Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-EMC4 antibody [EPR15080] (ab184544)

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

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