

Product datasheet

Anti-EMC4 antibody [EPR15080] ab184544

Recombinant RabMAb

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

Overview

Product name	Anti-EMC4 antibody [EPR15080]
Description	Rabbit monoclonal [EPR15080] to EMC4
Host species	Rabbit
Tested applications	Suitable for: IP, WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human EMC4 aa 1-100. The exact sequence is proprietary. Database link: Q5J8M3
Positive control	293, SH-SY5Y, U87-MG and HepG2 cell lysates; Human brain and ovarian carcinoma tissues; mouse liver tissue.

General notes

This product was previously labelled as TMEM85

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

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: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15080
Isotype	IgG

Applications

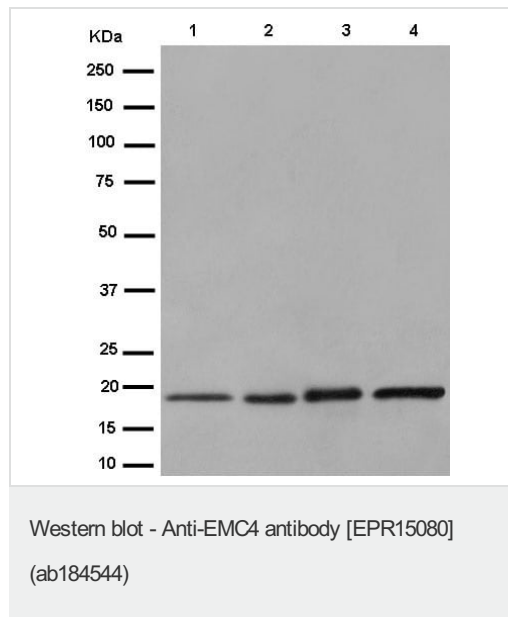
Our [Abpromise guarantee](#) covers the use of **ab184544** in the following tested applications.

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.



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.

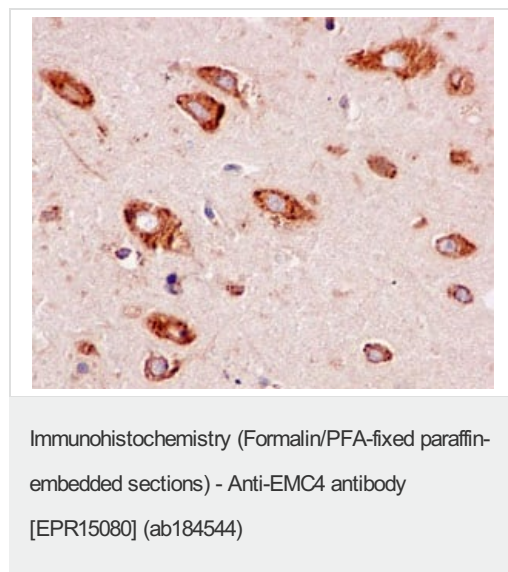
Secondary

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

Predicted band size: 20 kDa

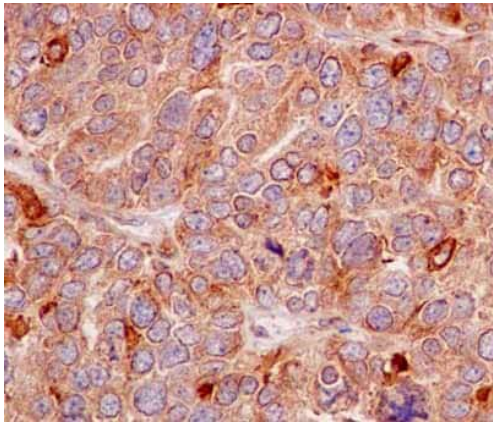
Observed band size: 17,20 kDa

[why is the actual band size different from the predicted?](#)



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.

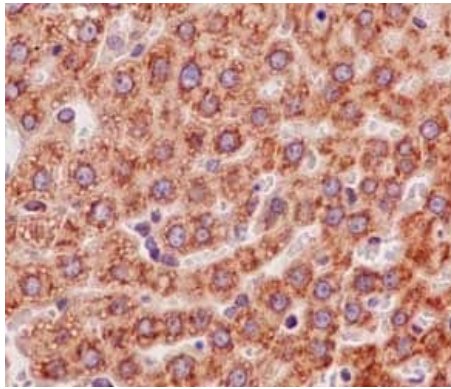
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



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.

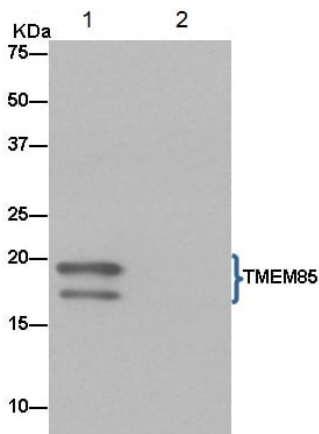
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



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.

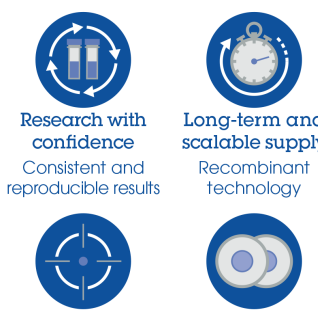


Immunoprecipitation - Anti-EMC4 antibody [EPR15080] (ab184544)

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?



- 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-EMC4 antibody [EPR15080] (ab184544)

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

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