

## Product datasheet

# Anti-C14orf166 antibody [EPR15799] ab188326

Recombinant RabMAb

[2 References](#) [7 Images](#)

### Overview

<b>Product name</b>	Anti-C14orf166 antibody [EPR15799]
<b>Description</b>	Rabbit monoclonal [EPR15799] to C14orf166
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IP, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	U87-MG , Ramos, 293T, Jurkat, Raw264.7, C6, PC12 and NIH3T3 cell lysates; Human fetal kidney and astrocytoma tissues; U87-MG cells.
<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>	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR15799
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab188326 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
ICC/IF		1/100.
IP		1/50 - 1/70.
WB		1/1000 - 1/10000. Predicted molecular weight: 28 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

### Tissue specificity

Widely expressed. Expressed at high level in heart and skeletal muscle. Expressed at intermediate level in liver, pancreas, fetal brain and fetal lung. Weakly expressed in adult brain, adult lung, placenta, fetal liver and fetal kidney. Overexpressed in many brain tumors.

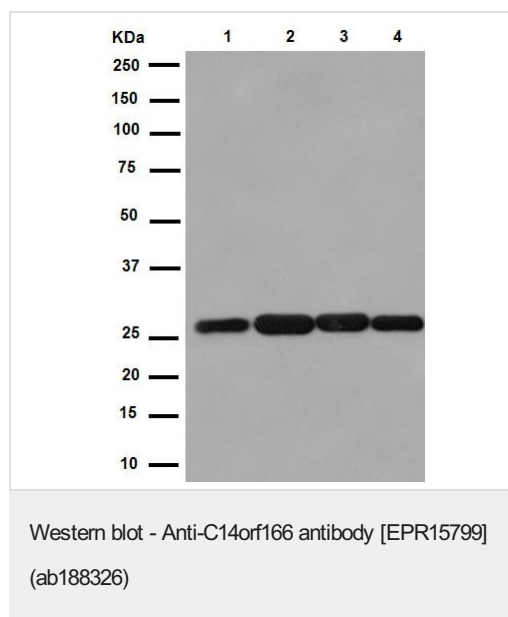
### Sequence similarities

Belongs to the UPF0568 family.

### Cellular localization

Nucleus. Cytoplasm > perinuclear region. Cytoplasm > cytoskeleton > centrosome. May localize at the centrosome during mitosis.

## Images



**All lanes** : Anti-C14orf166 antibody [EPR15799] (ab188326) at 1/1000 dilution

**Lane 1** : C6 cell lysate

**Lane 2** : Raw264.7 cell lysate

**Lane 3** : PC12 cell lysate

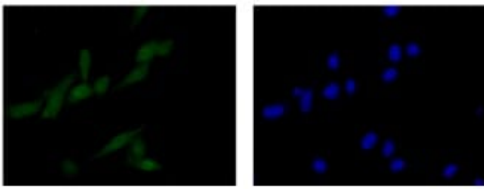
**Lane 4** : NIH3T3 cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

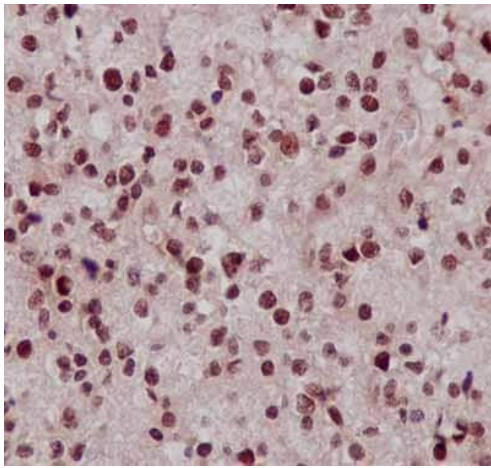
**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 28 kDa



Immunocytochemistry/ Immunofluorescence - Anti-C14orf166 antibody [EPR15799] (ab188326)

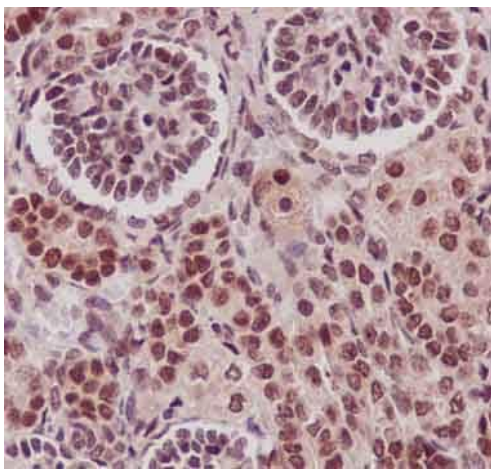
Immunofluorescence analysis of U87-MG cells labeling C14orf166 using ab188326 at 1/100 dilution. A goat anti rabbit IgG (Alexa Fluor488) at 1/200 dilution was used as secondary antibody. Cells were fixed with 4% paraformaldehyde. Counterstain: DAPI.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C14orf166 antibody [EPR15799] (ab188326)

Immunohistochemical analysis of paraffin-embedded human astrocytoma tissue labeling C14orf166 using ab188326 at 1/100 dilution. A ready to use HRP polymer for rabbit IgG (prediluted) was used as secondary. Counterstain: Hematoxylin.

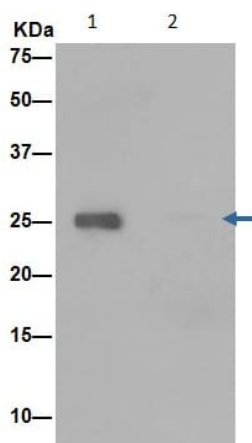
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C14orf166 antibody [EPR15799] (ab188326)

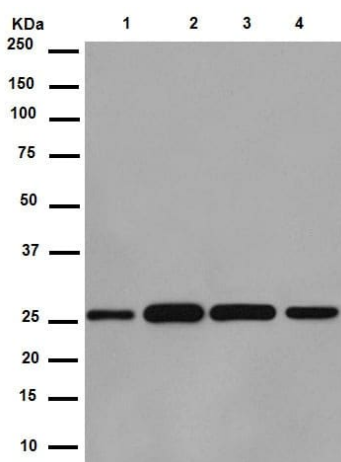
Immunohistochemical analysis of paraffin-embedded human fetal kidney tissue labeling C14orf166 using ab188326 at 1/100 dilution. A ready to use HRP polymer for rabbit IgG (prediluted) was used as secondary. Counterstain: Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-C14orf166 antibody  
[EPR15799] (ab188326)

Immunoprecipitation analysis of 293T cell lysate labeling C14orf166 using ab188326 at 1/50 dilution (Lane 1). An anti-rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 was used as secondary antibody. Lane 2: PBS instead of 293T cell lysate.



Western blot - Anti-C14orf166 antibody [EPR15799]  
(ab188326)

**All lanes** : Anti-C14orf166 antibody [EPR15799] (ab188326) at 1/10000 dilution

**Lane 1** : Ramos cell lysate

**Lane 2** : 293T cell lysate

**Lane 3** : Jurkat cell lysate

**Lane 4** : U87-MG cell lysate





Lysates/proteins at 20 µg per lane.

#### Secondary

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

**Predicted band size:** 28 kDa

Why choose a recombinant antibody?

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

Anti-C14orf166 antibody [EPR15799] (ab188326)

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

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