

## Product datasheet

### Anti-PACAP antibody [EPR11543(B)] ab170891

Recombinant RabMAb

3 Images

#### Overview

Product name	Anti-PACAP antibody [EPR11543(B)]
Description	Rabbit monoclonal [EPR11543(B)] to PACAP
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, IP <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IHC
Species reactivity	<b>Reacts with:</b> Human <b>Does not react with:</b> Mouse, Rat
Immunogen	Synthetic peptide within Human PACAP (Cysteine residue). The exact sequence is proprietary. Database link: <a href="#">Q8WU39</a>
Positive control	Daudi, Ramos and Raji cell lysates.
General notes	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> . 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> .

#### 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: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number	EPR11543(B)
Isotype	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab170891 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

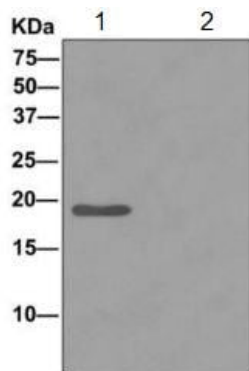
Application	Abreviews	Notes
WB		1/10000 - 1/50000. Predicted molecular weight: 21 kDa.
IP		1/10 - 1/100.

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

## Target

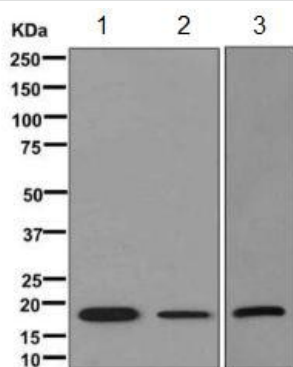
<b>Function</b>	<p>Associates with immunoglobulin M (IgM) heavy and light chains and promotes IgM assembly and secretion. May exert its effect by acting as a molecular chaperone or as an oxidoreductase as it displays a low level of oxidoreductase activity (By similarity). Isoform 2 may be involved in regulation of apoptosis. Helps to diversify peripheral B-cell functions by regulating Ca(2+) stores, antibody secretion and integrin activation.</p> <p>Acts as a hormone-regulated adipokine/proinflammatory cytokine that is implicated in causing chronic inflammation, affecting cellular expansion and blunting insulin response in adipocytes. May have a role in the onset of insulin resistance.</p>
<b>Tissue specificity</b>	Widely expressed with highest levels in adult brain, small intestine and lymphoid tissues such as thymus and spleen. Expression is frequently lower in intestinal-type gastric cancer. In obese patients, more abundant in omental than in subcutaneous fat.
<b>Sequence similarities</b>	Belongs to the MZB1 family.
<b>Post-translational modifications</b>	Forms an interchain disulfide bond with IgM monomers.
<b>Cellular localization</b>	Endoplasmic reticulum lumen. Secreted and Cytoplasm. Diffuse granular localization in the cytoplasm surrounding the nucleus (PubMed:11350957).

## Images



Immunoprecipitation - Anti-PACAP antibody  
[EPR11543(B)] (ab170891)

Western blot analysis on immunoprecipitation pellet from (1) Raji cell lysate or (2) 1X PBS (negative control) immunoprecipitated using ab170891 at 1/10 dilution. Detection utilized HRP-conjugated anti-rabbit IgG which preferentially detects the non-reduced form of rabbit IgG.



Western blot - Anti-PACAP antibody [EPR11543(B)]  
(ab170891)

**All lanes :** Anti-PACAP antibody [EPR11543(B)] (ab170891) at 1/10000 dilution

**Lane 1 :** Daudi cell lysates

**Lane 2 :** Ramos cell lysates

**Lane 3 :** Raji cell lysates

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 21 kDa

### 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-PACAP antibody [EPR11543(B)] (ab170891)

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

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