

## Product datasheet

# Anti-CacyBP antibody [EPR12374] ab171972

Recombinant RabMAb

8 Images

### Overview

<b>Product name</b>	Anti-CacyBP antibody [EPR12374]
<b>Description</b>	Rabbit monoclonal [EPR12374] to CacyBP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB, IHC-P, ICC/IF, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Does not react with:</b> Mouse, Rat
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Human kidney, gastric carcinoma and gliocytoma tissues; MCF7, HeLa, 293T and PC3 cell lysates; MCF7 and 293T 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>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR12374

Isotype

IgG

## Applications

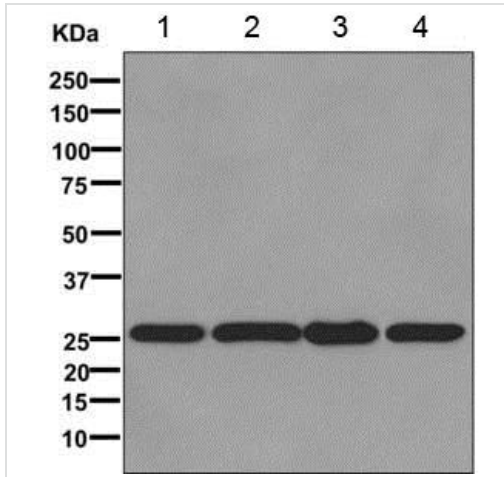
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab171972 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Predicted molecular weight: 26 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.
IP		1/10 - 1/100.

## Target

<b>Function</b>	May be involved in calcium-dependent ubiquitination and subsequent proteasomal degradation of target proteins. Probably serves as a molecular bridge in ubiquitin E3 complexes. Participates in the ubiquitin-mediated degradation of beta-catenin (CTNNB1).
<b>Sequence similarities</b>	Contains 1 CS domain. Contains 1 SGS domain.
<b>Post-translational modifications</b>	Phosphorylated on serine residues. Phosphorylated upon induction by RA or at high calcium concentrations.
<b>Cellular localization</b>	Nucleus. Cytoplasm. Cytoplasmic at low calcium concentrations. In neuroblastoma cells, after a retinoic acid (RA) induction and calcium increase, it localizes in both the nucleus and cytoplasm. The nuclear fraction may be phosphorylated.

## Images



Western blot - Anti-CacyBP antibody [EPR12374] (ab171972)

**All lanes :** Anti-CacyBP antibody [EPR12374] (ab171972) at 1/10000 dilution

**Lane 1 :** MCF7 cell lysate

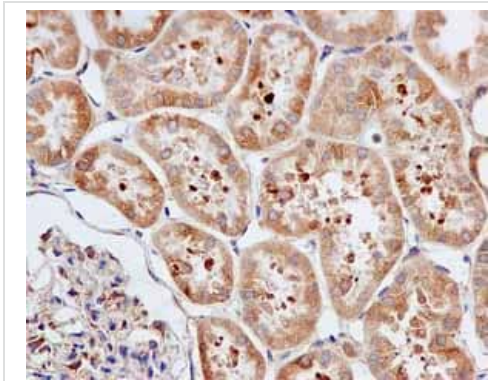
**Lane 2 :** HeLa cell lysate

**Lane 3 :** 293T cell lysate

**Lane 4 :** PC3 cell lysate

Lysates/proteins at 10 µg per lane.

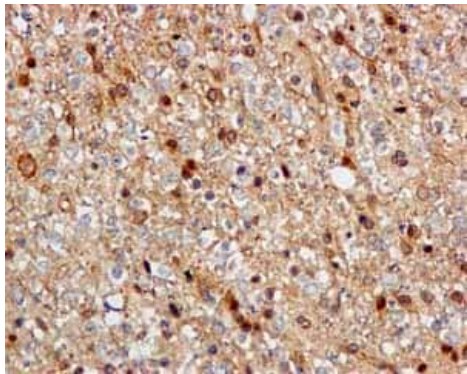
**Predicted band size:** 26 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CacyBP antibody [EPR12374] (ab171972)

Immunohistochemical analysis of paraffin-embedded Human Kidney tissue labeling CacyBP with ab171972 at 1/100 dilution.

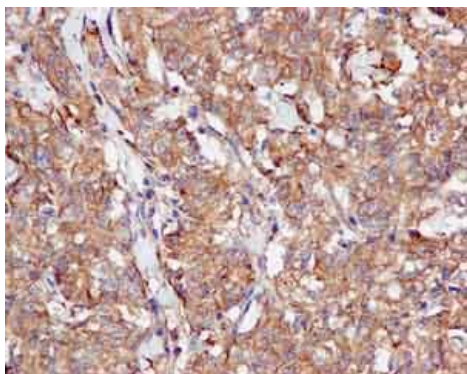
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CacyBP antibody [EPR12374] (ab171972)

Immunohistochemical analysis of paraffin-embedded Human gliocytoma tissue labeling CacyBP with ab171972 at 1/100 dilution.

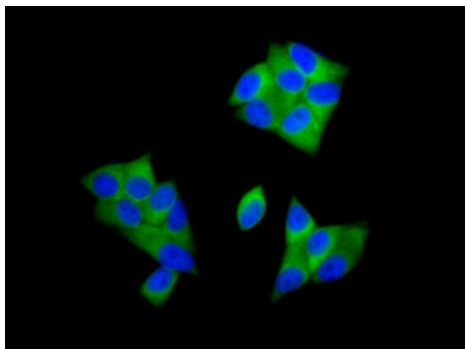
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CacyBP antibody [EPR12374] (ab171972)

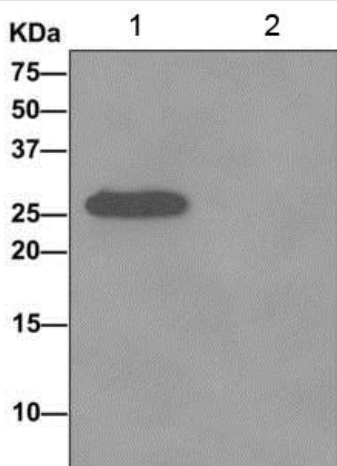
Immunohistochemical analysis of paraffin-embedded Human gastric carcinoma tissue labeling CacyBP with ab171972 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



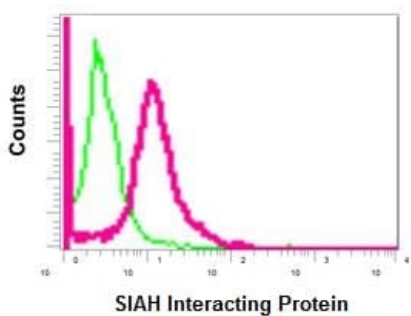
Immunocytochemistry/ Immunofluorescence - Anti-CacyBP antibody [EPR12374] (ab171972)

Immunofluorescent analysis of MCF7 cells labeling CacyBP with ab171972 at 1/100 dilution. DAPI nuclear staining (blue).



Immunoprecipitation - Anti-CacyBP antibody [EPR12374] (ab171972)

Western blot analysis on immunoprecipitation pellet from 293T cell lysate (lane 1) labeling CacyBP with ab171972 at 1/10 dilution or 1X PBS (lane 2) negative control. HRP-conjugated anti-Rabbit IgG preferentially detecting the non-reduced form of Rabbit IgG.



Flow Cytometry (Intracellular) - Anti-CacyBP antibody [EPR12374] (ab171972)

Intracellular flow cytometric analysis of permeabilized 293T cells labeling CacyBP with ab171972 at 1/10 dilution (red) or Rabbit IgG (negative) (green).

### 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-CacyBP antibody [EPR12374] (ab171972)

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

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- Extensive multi-media technical resources to help you
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