

## Product datasheet

### Anti-CD82 antibody [EPR4112] ab109529

Recombinant RabMAb

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

#### Overview

Product name	Anti-CD82 antibody [EPR4112]
Description	Rabbit monoclonal [EPR4112] to CD82
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB <b>Unsuitable for:</b> IHC-P
Species reactivity	<b>Reacts with:</b> Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	U87 MG, Jurkat, Raji lysates; Human tonsil tissue.
General notes	<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> <p>Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4112

Isotype IgG

Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab109529 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

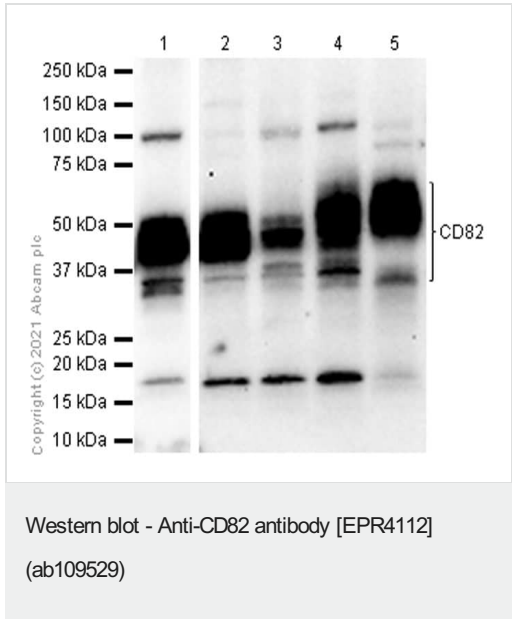
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 30 kDa.

**Application notes** Is unsuitable for IHC-P.

Target

Function	Associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway.
Tissue specificity	Lymphoid specific.
Sequence similarities	Belongs to the tetraspanin (TM4SF) family.
Cellular localization	Membrane.

Images



**All lanes :** Anti-CD82 antibody [EPR4112] (ab109529) at 1/1000 dilution (Purified)

**Lane 1 :** U-87 MG (Human glioblastoma-astrocytoma epithelial cell) whole cell lysate

**Lane 2 :** Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

**Lane 3 :** Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate

**Lane 4 :** SW480 (Human colorectal adenocarcinoma epithelial cell) whole cell lysate

**Lane 5 :** HT-29 (Human colorectal adenocarcinoma epithelial cell) whole cell lysate

Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Predicted band size:** 30 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-CD82 antibody [EPR4112] (ab109529)

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

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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