


## Product datasheet

# Anti-ERC2 antibody [EPR9419] ab170862

Recombinant RabMAb

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

### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-ERC2 antibody [EPR9419]   |
| <b>Description</b>         | Rabbit monoclonal [EPR9419] to ERC2  |
| <b>Host species</b>        | Rabbit   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB<br><b>Unsuitable for:</b> Flow Cyt, ICC/IF, IHC-P or IP  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse, Rat    |
| <b>Immunogen</b>           | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.  |
| <b>Positive control</b>    | Fetal brain and SH-SY5Y lysates.   |
| <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: 7.2<br>Preservative: 0.01% Sodium azide<br>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant |
| <b>Purity</b>               | Tissue culture supernatant   |
| <b>Clonality</b>            | Monoclonal   |

Clone number                   EPR9419  
Isotype                            IgG

## Applications

**The Abpromise guarantee**           Our **Abpromise guarantee** covers the use of ab170862 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: 111 kDa. |

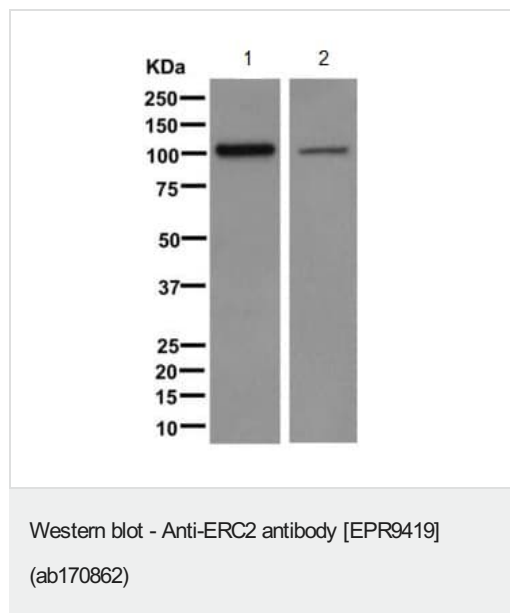
**Application notes**                    Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

## Target

**Function**                               Thought to be involved in the organization of the cytomatrix at the nerve terminals active zone (CAZ) which regulates neurotransmitter release. Seems to act together with BSN. May recruit liprin-alpha proteins to the CAZ.

**Cellular localization**                Cytoplasm. Cell junction > synapse. Cell junction > synapse > synaptosome. Cytoplasm > cytoskeleton. In neurons, localized to synapses, and colocalizes with PCLO. Localized to the active zone of presynaptic density.

## Images



**All lanes** : Anti-ERC2 antibody [EPR9419] (ab170862) at 1/1000 dilution

**Lane 1** : Fetal brain lysate

**Lane 2** : SH-SY5Y lysate

Lysates/proteins at 10 µg per lane.

### Secondary

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

**Predicted band size:** 111 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-ERC2 antibody [EPR9419] (ab170862)

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

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