# abcam

## Product datasheet

## PE Anti-Lamin B2 antibody [EPR9701(B)] ab303113

Recombinant

RabMAb

### 1 Image

#### Overview

Product name PE Anti-Lamin B2 antibody [EPR9701(B)]

**Description** PE Rabbit monoclonal [EPR9701(B)] to Lamin B2

Host species Rabbit

**Conjugation** PE. Ex: 488nm, Em: 575nm

**Tested applications** Suitable for: Target binding affinity, Antibody labelling

**Immunogen** Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

**General notes** 

This  $\underline{\text{conjugated primary antibody}}$  is released using a quantitative quality control method that

evaluates binding affinity post-conjugation and efficiency of antibody labeling.

For suitable applications and species reactivity, please refer to the unconjugated version of this

clone. This conjugated antibody is eligible for Abtrial: learn more  $\underline{\textbf{here}}.$ 

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information see here.

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb**<sup>®</sup> **patents**.

#### **Properties**

Form Liquid

**Storage instructions** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C.

Avoid freeze / thaw cycle. Store In the Dark.

**Storage buffer** pH: 7.4

Preservative: 0.02% Sodium azide Constituents: 98% PBS, 1% BSA

Purity Protein A purified

**Clonality** Monoclonal

1

Clone number EPR9701(B)

**Isotype** IgG

## **Applications**

The Abpromise guarantee

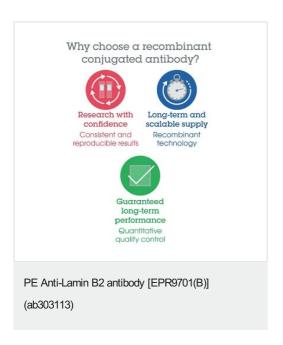
Our <u>Abpromise guarantee</u> covers the use of ab303113 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Target binding affinity		Use at an assay dependent concentration.
Antibody labelling		Use at an assay dependent concentration.

Target	
Function	Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin.
Involvement in disease	Defects in LMNB2 are a cause of partial acquired lipodystrophy (APLD) [MIM:608709]. A rare childhood disease characterized by loss of subcutaneous fat from the face and trunk. Fat deposition on the pelvic girdle and lower limbs is normal or excessive. Most frequently, onset between 5 and 15 years of age. Most affected subjects are females and some show no other abnormality, but many develop glomerulonephritis, diabetes mellitus, hyperlipidemia, and complement deficiency. Mental retardation in some cases. APLD is a sporadic disorder of unknown etiology.
Sequence similarities	Belongs to the intermediate filament family.
Post-translational modifications	B-type lamins undergo a series of modifications, such as farnesylation and phosphorylation. Increased phosphorylation of the lamins occurs before envelope disintegration and probably plays a role in regulating lamin associations.
Cellular localization	Nucleus inner membrane.

## Images



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