


## Product datasheet

### Anti-RanBP9 antibody [EPR9920(B)] ab140627

Recombinant **RabMAb**

★★★★☆ [4 Abreviews](#) [2 References](#) [3 Images](#)

#### Overview

<b>Product name</b>	Anti-RanBP9 antibody [EPR9920(B)]
<b>Description</b>	Rabbit monoclonal [EPR9920(B)] to RanBP9
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF <b>Unsuitable for:</b> Flow Cyt, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide within Human RanBP9 aa 100-200. The exact sequence is proprietary.
<b>Positive control</b>	HeLa, fetal brain and JAR lysates; HeLa 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 -20°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR9920(B)

**Isotype** IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab140627 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

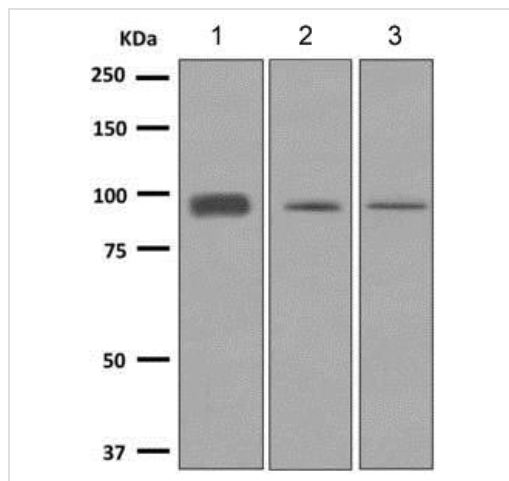
Application	Abreviews	Notes
WB	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 78 kDa.
ICC/IF	★★★★★ (2)	1/100 - 1/250.

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

## Target

<b>Function</b>	May act as an adapter protein to couple membrane receptors to intracellular signaling pathways. May be involved in signaling of ITGB2/LFA-1 and other integrins. Enhances HGF-MET signaling by recruiting Sos and activating the Ras pathway. Involved in activation of androgen and glucocorticoid receptor in the presence of their cognate hormones. Stabilizes TP73 isoform Alpha, probably by inhibiting its ubiquitination, and increases its proapoptotic activity. Inhibits the kinase activity of DYRK1A and DYRK1B. Inhibits FMR1 binding to RNA.
<b>Tissue specificity</b>	Ubiquitously expressed, with highest levels in testes, placenta, heart, and muscle, and lowest levels in lung. Within the brain, expressed predominantly by neurons in the gray matter of cortex, the granular layer of cerebellum and the Purkinje cells.
<b>Sequence similarities</b>	Belongs to the RANBP9/10 family. Contains 1 B30.2/SPRY domain. Contains 1 CTLH domain. Contains 1 LisH domain.
<b>Domain</b>	The SPRY domain mediates the interaction with MET, AR, and CDC2L1.
<b>Post-translational modifications</b>	Phosphorylated upon DNA damage, probably by ATM or ATR. Phosphorylated in response to stress. Can be phosphorylated by the cleaved p110 form of CDC2L1 (p110C). Ubiquitinated. Polyubiquitination targets the protein for rapid degradation via the ubiquitin system. Can be deubiquitinated by USP11.
<b>Cellular localization</b>	Nucleus. Cytoplasm. A phosphorylated form is associated with the plasma membrane.

## Images



Western blot - Anti-RanBP9 antibody [EPR9920(B)] (ab140627)

**All lanes :** Anti-RanBP9 antibody [EPR9920(B)] (ab140627) at 1/1000 dilution

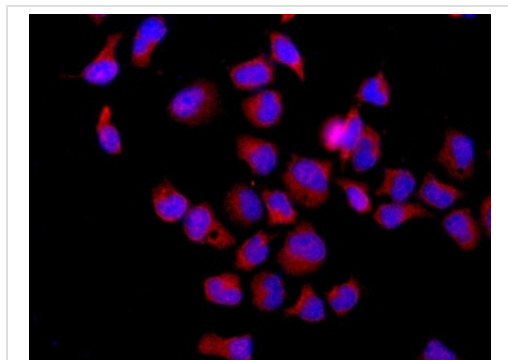
**Lane 1 :** HeLa cell lysate

**Lane 2 :** Fetal brain tissue lysate

**Lane 3 :** JAR cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 78 kDa



Immunocytochemistry/ Immunofluorescence - Anti-RanBP9 antibody [EPR9920(B)] (ab140627)

Immunofluorescent staining of HeLa cells labelling RanBP9 with ab140627 at 1/100 dilution.

### 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-RanBP9 antibody [EPR9920(B)] (ab140627)

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

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