

## Product datasheet

# Anti-TLR9 antibody [EPR14964-2] ab187148

Recombinant RabMAb

1 Image

### Overview

<b>Product name</b>	Anti-TLR9 antibody [EPR14964-2]
<b>Description</b>	Rabbit monoclonal [EPR14964-2] to TLR9
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human TLR9 aa 400-550 (internal sequence). The exact sequence is proprietary. Database link: <a href="#">Q9NR96</a>
<b>Positive control</b>	Daudi, Raji and Ramos cell lysates.
<b>General notes</b>	

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

<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>	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

**Clone number**                      EPR14964-2

**Isotype**                                IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab187148** 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 - 1/5000. Detects a band of approximately 130 kDa (predicted molecular weight: 116 kDa).

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## Target

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**Function**                                Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific of microorganisms. TLR9 is a nucleotide-sensing TLR which is activated by unmethylated cytidine-phosphate-guanosine (CpG) dinucleotides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.

**Tissue specificity**                    Highly expressed in spleen, lymph node, tonsil and peripheral blood leukocytes, especially in plasmacytoid pre-dendritic cells. Levels are much lower in monocytes and CD11c+ immature dendritic cells. Also detected in lung and liver.

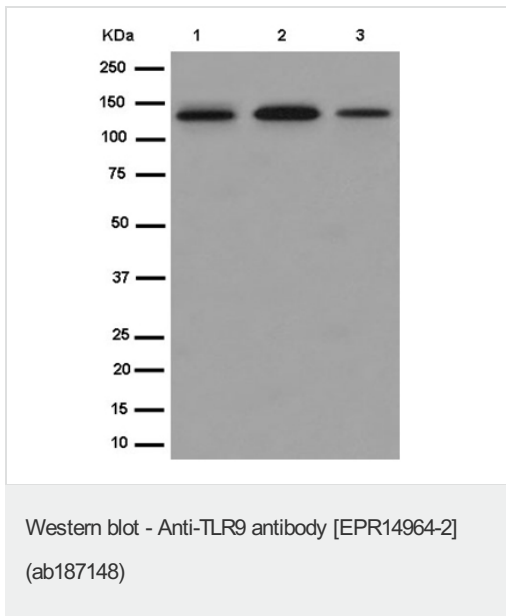
**Sequence similarities**                Belongs to the Toll-like receptor family.  
Contains 26 LRR (leucine-rich) repeats.  
Contains 1 TIR domain.

**Cellular localization**                Endoplasmic reticulum membrane. Endosome. Lysosome. Cytoplasmic vesicle > phagosome.  
Relocalizes from endoplasmic reticulum to endosome and lysosome upon stimulation with agonist.

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## Images

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**All lanes :** Anti-TLR9 antibody [EPR14964-2] (ab187148) at 1/5000 dilution

**Lane 1 :** Daudi cell lysate

**Lane 2 :** Raji cell lysate

**Lane 3 :** Ramos cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 116 kDa

Blocking and dilution buffer: 5% NFDm/TBST

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

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