

# Anti-MLKL (phospho S358) antibody [EPR9514] - BSA and Azide free ab208909

Recombinant RabMAb

[4 References](#) [4 Images](#)

### Overview

<b>Product name</b>	Anti-MLKL (phospho S358) antibody [EPR9514] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR9514] to MLKL (phospho S358) - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Specificity</b>	Stimulation may be required to allow detection of the phosphorylated protein. Please see images below for recommended treatment conditions and positive controls.
<b>Tested applications</b>	<b>Suitable for:</b> Dot blot, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Does not react with:</b> Mouse, Rat
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as <a href="#">ab206929</a> )
<b>Positive control</b>	HT-29 cell lysate treated with TNF alpha+ Smac mimetic+ z-VAD HT-29 cells were treated with the indicated stimuli for 8 hr and then harvested. The final concentrations of 20 ng/ml TNF- $\alpha$ , 100 nM Smac mimetic, and 20 mM z-VAD were used to induce necrosis
<b>General notes</b>	<p>ab208909 is the carrier-free version of <a href="#">ab187091</a>.</p> <p>This antibody was developed through collaboration with the lab of Xiaodong Wang at the National Institute of Biological Sciences, Beijing.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p>

- 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. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR9514
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab208909 in the following tested applications.

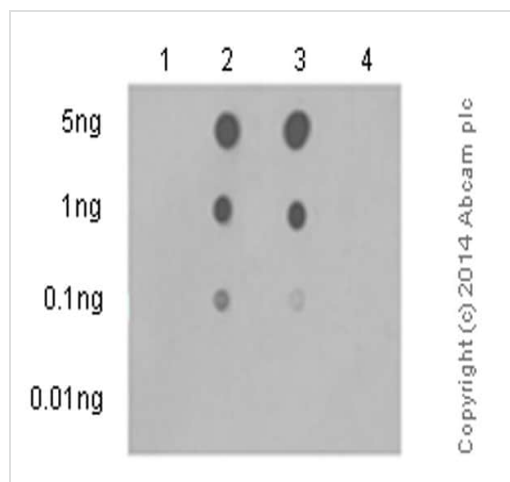
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>Dot blot</b>		Use at an assay dependent concentration.
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 54 kDa. Can be blocked with <a href="#">Human MLKL (phospho S358) peptide (ab206929)</a> .
<b>IHC-P</b>		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Not Suitable for Mouse and Rat

## Target

<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. Contains 1 protein kinase domain.
<b>Domain</b>	The protein kinase domain is predicted to be catalytically inactive.

## Images



Dot Blot - Anti-MLKL (phospho S358) antibody [EPR9514] - BSA and Azide free (ab208909)

Dot blot analysis of MLKL peptides using [ab187091](#) at 1/1000 dilution followed by Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated secondary antibody at 1/1000 dilution. Blocking and diluting buffer was 5% NFDm/TBST, exposure time 3 minutes.

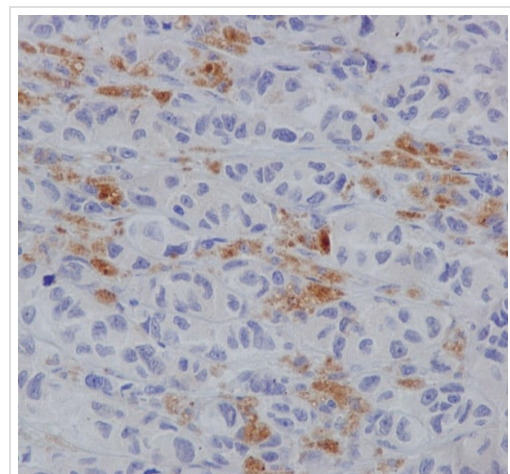
Lane 1: MLKL (pT357) phospho peptide

Lane 2: MLKL (pS358) phospho peptide

Lane 3: MLKL (pT357/pS358) phospho peptide

Lane 4: MLKL non-phospho peptide

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab187091](#)).



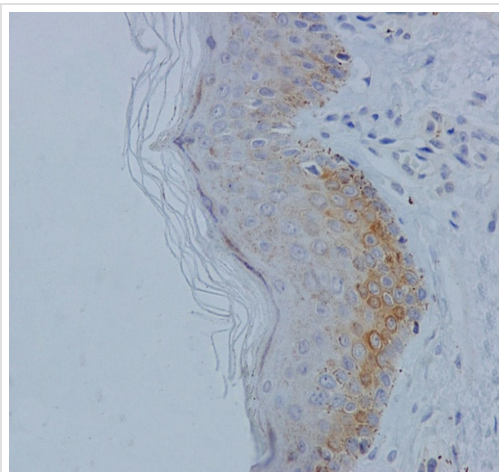
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MLKL (phospho S358) antibody [EPR9514] - BSA and Azide free (ab208909)

[ab187091](#) at 1:250 staining MLKL (phospho S358) in Human melanoma tissue by immunohistochemistry (FFPE).

Antigen retrieval required on FFPE tissue: HIER using 10mM Citrate buffer pH 6.0, [see recommended HIER protocol](#)

For additional IHC guideline, please see [IHC resource page](#)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab187091](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MLKL (phospho S358) antibody [EPR9514] - BSA and Azide free (ab208909)

This IHC data was generated using the same anti-MLKL (phospho S358) in a different buffer formulation (cat# [ab187091](#)).

[ab187091](#) at 1:250 staining MLKL (phospho S358) in Human skin tissue by immunohistochemistry (FFPE).

Antigen retrieval required on FFPE tissue: HIER using 10mM Citrate buffer pH 6.0, see [recommended HIER protocol](#)

For additional IHC guideline, please see [IHC resource page](#)

### 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-MLKL (phospho S358) antibody [EPR9514] - BSA and Azide free (ab208909)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors