abcam

Product datasheet

Anti-RIP3 (phospho S232) antibody [EPR9516(N)-25] ab195117

Recombinant RabMAb®

★★★☆☆ **13 Abreviews** **58 References** 5 Images

Overview

Product name	Anti-RIP3 (phospho S232) antibody [EPR9516(N)-25]
Description	Rabbit monoclonal [EPR9516(N)-25] to RIP3 (phospho S232)
Host species	Rabbit
Tested applications	**Suitable for:** ELISA, WB, Dot blot **Unsuitable for:** IHC-P or IP
Species reactivity	**Reacts with:** Mouse
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: L-929 whole cell lysate treated with 20 ng/ml TNF alpha,100 nM Smac mimetic, and 20 µM z-VAD for 8 h and then harvested; Untreated L-929 whole cell lysate; TSE (WT) whole cell lysate treated with 20 ng/ml TNF alpha,100 nM Smac mimetic, and 20 µM z-VAD for 12 h and then harvested; TSE (KO MLKL) whole cell lysate treated with 20 ng/ml TNF alpha,100 nM Smac mimetic, and 20 µM z-VAD for 12 h and then harvested.
General notes	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® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR9516(N)-25
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab195117 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
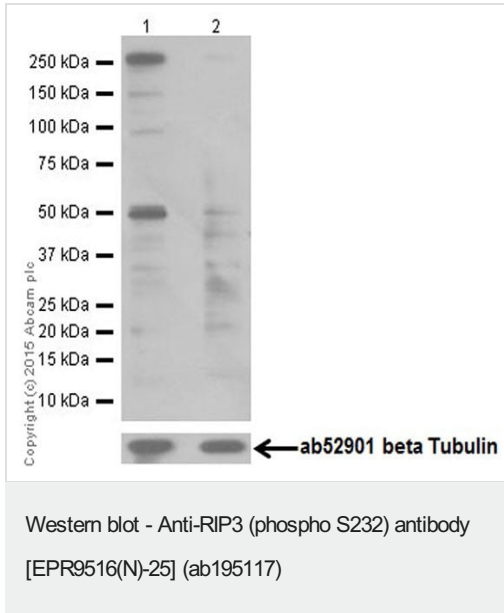
Application	Abreviews	Notes
ELISA	★★★★☆ (1)	Use at an assay dependent concentration.
WB	★★★☆☆ (8)	1/1000. Detects a band of approximately 53 kDa (predicted molecular weight: 53 kDa).
Dot blot		Use at an assay dependent concentration.

Application notes Is unsuitable for IHC-P or IP.

Target

Function	Promotes apoptosis.
Tissue specificity	Detected at lower levels in heart, placenta, lung and kidney. Isoform 3 is significantly increased in colon and lung cancers.
Sequence similarities	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Contains 1 protein kinase domain.
Post-translational modifications	Autophosphorylated.
Cellular localization	Cytoplasm.

Images

Western blot - Anti-RIP3 (phospho S232) antibody [EPR9516(N)-25] (ab195117)

All lanes : Anti-RIP3 (phospho S232) antibody [EPR9516(N)-25] (ab195117) at 1/10000 dilution

Lane 1 : Untreated L-929 (Mouse connective tissue fibroblast cell line) whole cell lysate

Lane 2 : L-929 (Mouse connective tissue fibroblast cell line) whole cell lysate treated with phosphatase

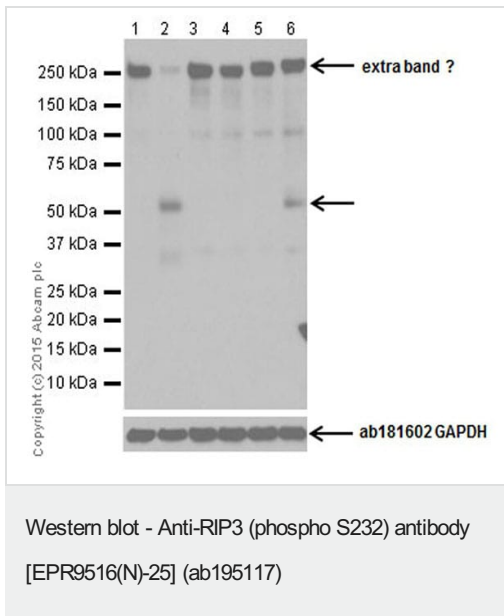Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 53 kDa
Observed band size: 53 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.

Western blot - Anti-RIP3 (phospho S232) antibody [EPR9516(N)-25] (ab195117)

All lanes : Anti-RIP3 (phospho S232) antibody [EPR9516(N)-25] (ab195117) at 1/2000 dilution

Lane 1 : Untreated TSE (WT) whole cell lysate
Lane 2 : TSE (WT) whole cell lysate treated with 20 ng/ml TNF alpha,100 nM Smac mimetic, and 20 µM z-VAD for 12 h and then harvested
Lane 3 : Untreated TSE (KO RIP3) whole cell lysate
Lane 4 : TSE (KO RIP3) whole cell lysate treated with 20 ng/ml TNF alpha,100 nM Smac mimetic, and 20 µM z-VAD for 12 h and then harvested
Lane 5 : Untreated TSE (KO MLKL) whole cell lysate
Lane 6 : TSE (KO MLKL) whole cell lysate treated with 20 ng/ml TNF alpha,100 nM Smac mimetic, and 20 µM z-VAD for 12 h and then harvested

Lysates/proteins at 10 µg per lane.

Secondary
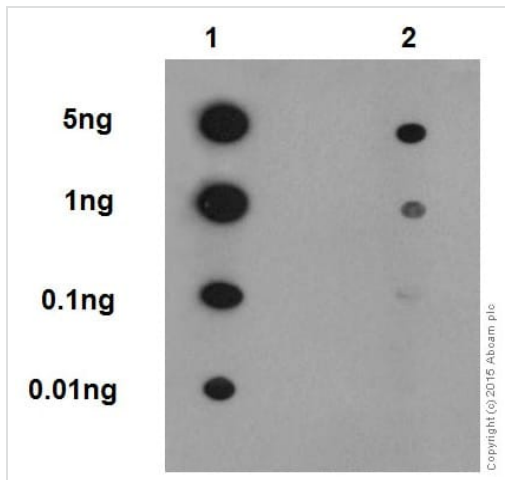**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/1000 dilution

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Predicted band size: 53 kDa

Observed band size: 53 kDa

Exposure time: 30 seconds
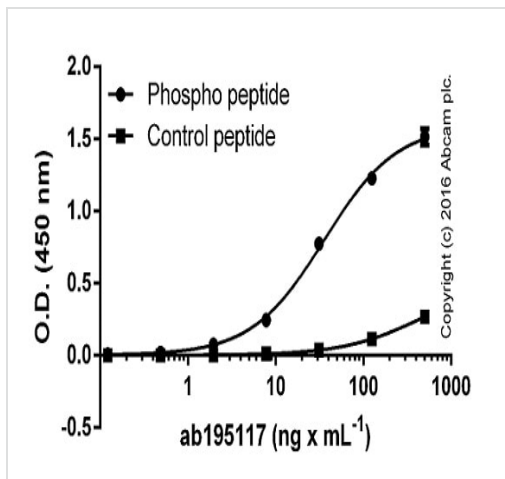
Blocking/Dilution buffer: 5% NFDM/TBST.

Lysates were provided by Xiaodong Wang, National Institute of Biological Sciences, Beijing

Primary antibody: ab195117 at 1:1000 dilution (1.6µg/ml), secondary antibody: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1:1000 dilution, Blocking and dilution buffer: 5% NFDM/TBST, Lane 1: RIP3 (phospho S232) phospho peptide, Lane 2: RIP3 Non-phospho peptide, Exposure time: 3 minutes.

We observed weak binding to the non-phospho peptide at very high concentrations.

Dot Blot - Anti-RIP3 (phospho S232) antibody [EPR9516(N)-25] (ab195117)

Serially diluted ab195117 was bound to immobilized phospho or non-phospho (control) peptide demonstrating minimal cross-reactivity to the non-phosphorylated residue. Antigen - RIP3 (phospho S232) phospho peptide;RIP3 non-phospho peptide at 250 ng/ml. Primary antibody concentration range: 0 - 500 ng/ml. Secondary antibody - Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at 1:2500.

ELISA - Anti-RIP3 (phospho S232) antibody [EPR9516(N)-25] (ab195117)

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-RIP3 (phospho S232) antibody [EPR9516(N)-25] (ab195117)

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

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