abcam

Product datasheet

Anti-ZFP36L1 (phospho S92) antibody [EPR19926] ab204922

KO VALIDATED Recombinant RabMAb

1 References 4 Images

Overview

Product name	Anti-ZFP36L1 (phospho S92) antibody [EPR19926]
Description	Rabbit monoclonal [EPR19926] to ZFP36L1 (phospho S92)
Host species	Rabbit
Tested applications	**Suitable for:** Dot blot, WB **Unsuitable for:** IHC-P or IP
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HEK-293T transfected with human ZFP36L1 expression vector containing a myc-His-tag®, whole cell lysate; Wild-type mouse CD4+ and CD8+ T cells treated with 10ng/ml Phorbol-12-myristate-13-acetate (PMA) and 1mM Ionomycin for 3 hours, whole cell lysate. Dot blot: ZFP36L1 (phospho S92) peptide (aa87-97).
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: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR19926
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab204922 in the following tested applications.

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

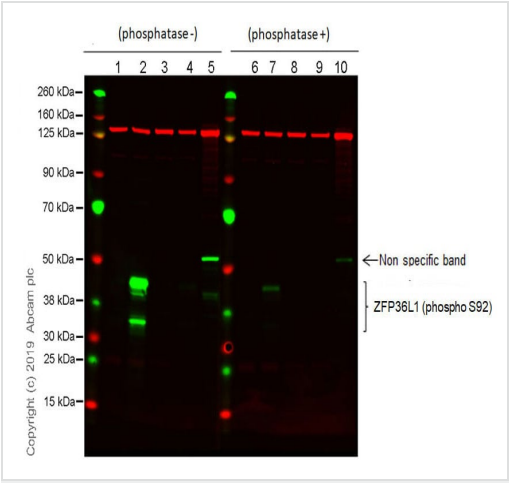
Application	Abreviews	Notes
Dot blot		1/1000.
WB		1/5000. Detects a band of approximately 36-47 kDa (predicted molecular weight: 36 kDa).

Application notes Is unsuitable for IHC-P or IP.

Target

Function	Probable regulatory protein involved in regulating the response to growth factors.
Sequence similarities	Contains 2 C3H1-type zinc fingers.
Cellular localization	Cytoplasm. Nucleus. Shuttles between the nucleus and the cytoplasm.

Images



Western blot - Anti-ZFP36L1 (phospho S92) antibody [EPR19926] (ab204922)

All lanes : Anti-ZFP36L1 (phospho S92) antibody [EPR19926] (ab204922) at 1/2500 dilution

Lane 1 : Unstimulated wild-type mouse CD4+ and CD8+ T cells, whole cell lysate (Untreated membrane)

Lane 2 : Wild-type mouse CD4+ and CD8+ T cells treated with 10ng/ml Phorbol-12-myristate-13-acetate (PMA) and 1mM Ionomycin for 3 hours, whole cell lysate (Untreated membrane)

Lane 3 : Unstimulated ZFP36L1 knockout mouse CD4+ and CD8+ T cells, whole cell lysate (Untreated membrane)

Lane 4 : ZFP36L1 knockout mouse CD4+ and CD8+ T cells treated with 10ng/ml Phorbol-12-myristate-13-acetate (PMA) and 1mM Ionomycin for 3 hours, whole cell lysate (Untreated membrane)

Lane 5 : HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate (Untreated membrane)

Lane 6 : Unstimulated wild-type mouse CD4+ and CD8+ T cells, whole cell lysate (Phosphatase treated membrane)

Lane 7 : Wild-type mouse CD4+ and CD8+ T cells treated with

10ng/ml Phorbol-12-myristate-13-acetate (PMA) and 1mM Ionomycin for 3 hours, whole cell lysate (Phosphatase treated membrane)
Lane 8 : Unstimulated ZFP36L1 knockout mouse CD4+ and CD8+ T cells, whole cell lysate (Phosphatase treated membrane)
Lane 9 : ZFP36L1 knockout mouse CD4+ and CD8+ T cells treated with 10ng/ml Phorbol-12-myristate-13-acetate (PMA) and 1mM Ionomycin for 3 hours, whole cell lysate (Phosphatase treated membrane)
Lane 10 : HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate, (Phosphatase treated membrane)

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**); and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) at 1/15000 dilution

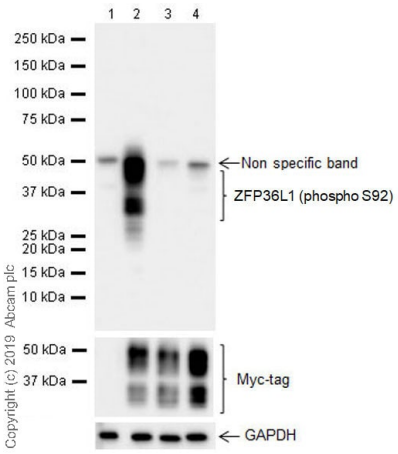
Predicted band size: 36 kDa
Observed band size: 36-47 kDa

Blocking and diluting buffer and concentration: 3% NFDM/TBST.

Lysates from the ZFP36L1fl/fl CD4 cre KO mouse were kindly provided by Dr Fiamma Salerno, Turner Lab, Babraham Institute.

Lysates used for the WB were isolated by negative selection using biotinylated abs against Ter119, CD11b, CD11c, Gr1, CD19, B220, F4/80 and NK1.1 to leave a population of CD4 and CD8 positive T cells (the purity of the population was >95% as checked by flow).

Mouse anti-vinculin **ab130007**, used as the loading control.



Western blot - Anti-ZFP36L1 (phospho S92) antibody [EPR19926] (ab204922)

All lanes : Anti-ZFP36L1 (phospho S92) antibody [EPR19926] (ab204922) at 1/5000 dilution

Lane 1 : HEK-293T (human embryonic kidney epithelial cell) transfected with an empty vector (vector control) containing a myc-His-tag®, whole cell lysate
Lane 2 : HEK-293T transfected with human ZFP36L1 expression vector containing a myc-His-tag®, whole cell lysate
Lane 3 : HEK-293T transfected with human ZFP36L1 expression vector containing a myc-His-tag®, then treated with alkaline phosphatase for 1 hour on the membrane
Lane 4 : HEK-293T transfected with human ZFP36L1 S92A mutant expression vector containing a myc-His-tag®, whole cell lysate

Lysates/proteins at 10 µg per lane.

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

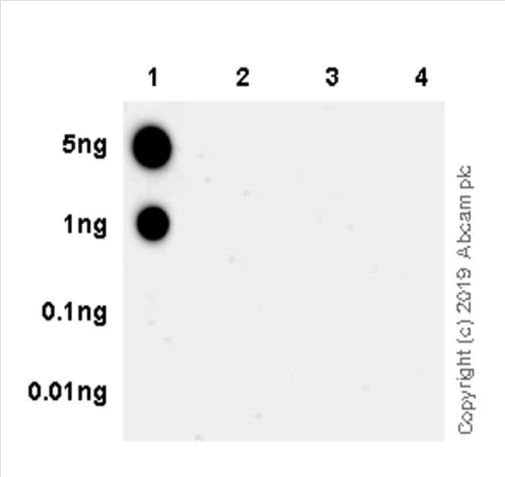
Predicted band size: 36 kDa
Observed band size: 36-47 kDa

Blocking and diluting buffer and concentration: 2% BSA/TBST.

All plasmids were kindly provided by Dr Fiamma Salerno, Turner Lab, Babraham Institute.

The expression profile observed is consistent with what has been described in the literature (PMID: **17030608**).

Exposure time: 8 seconds



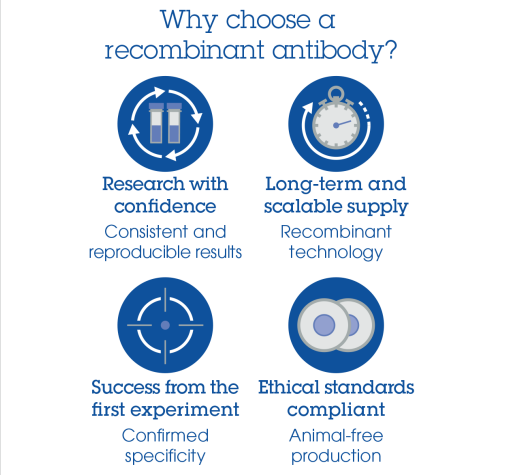
Dot Blot - Anti-ZFP36L1 (phospho S92) antibody [EPR19926] (ab204922)

Dot blot analysis of ZFP36L1 (phospho S92) labeled with ab204922 at 1/1000 dilution.

Lane 1: ZFP36L1 (phospho S92) peptide (aa87-97).
Lane 2: ZFP36L1 non-phospho peptide (aa87-97).
Lane 3: ZFP36L1 (phospho S125) peptide (aa120-130).
Lane 4: ZFP36L1 non-phospho peptide (aa120-130).

Blocking and dilution buffer: 5% NFDM/TBST.Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution was used as secondary antibody.

Exposure time: 3 minutes.



Anti-ZFP36L1 (phospho S92) antibody [EPR19926] (ab204922)

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