


Product datasheet

Anti-Paxillin (phospho Y118) antibody [EPR1903] ab109547

Recombinant RabMAb

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

Overview

Product name	Anti-Paxillin (phospho Y118) antibody [EPR1903]
Description	Rabbit monoclonal [EPR1903] to Paxillin (phospho Y118)
Host species	Rabbit
Tested applications	Suitable for: Dot blot, WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa and Jurkat cell lysates treated with pervanadate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - 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 -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR1903

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab109547 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		1/1000 - 1/10000. Predicted molecular weight: 65 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

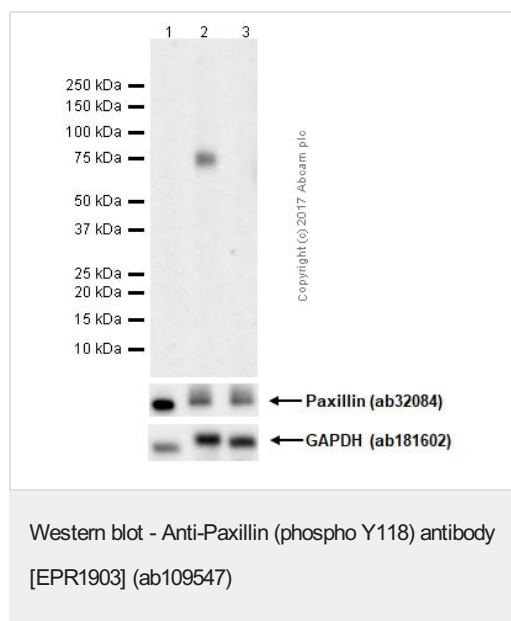
Function Cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion).

Sequence similarities Belongs to the paxillin family.
Contains 4 LIM zinc-binding domains.

Post-translational modifications Phosphorylated on tyrosine residues during integrin-mediated cell adhesion, embryonic development, fibroblast transformation and following stimulation of cells by mitogens.

Cellular localization Cytoplasm > cytoskeleton. Cell junction > focal adhesion.

Images



All lanes : Anti-Paxillin (phospho Y118) antibody [EPR1903] (ab109547) at 1/1000 dilution

Lane 1 : Jurkat (human T cell leukemia T lymphocyte) whole cell lysate

Lane 2 : Jurkat treated with 50mM pervanadate for 5 min whole cell lysate

Lane 3 : Jurkat treated with 50mM pervanadate for 5 min whole cell lysate. Then the membrane was incubated with alkaline phosphatase.

Lysates/proteins at 10 µg per lane.

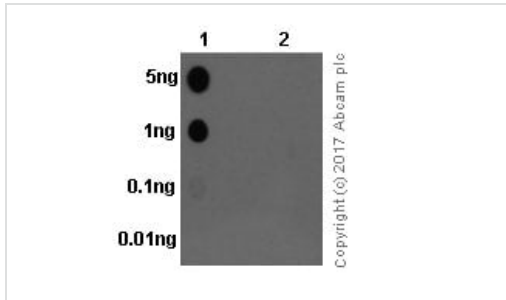
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 65 kDa

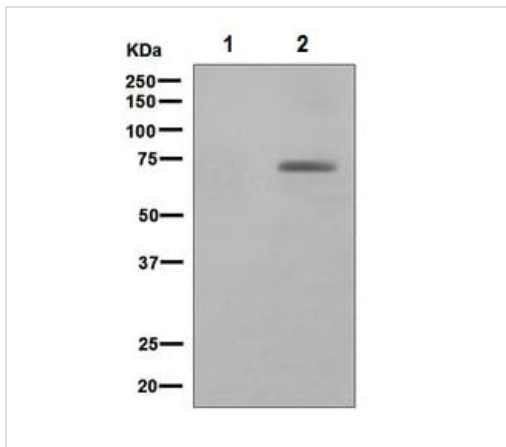
Observed band size: 65 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



Dot Blot - Anti-Paxillin (phospho Y118) antibody
[EPR1903] (ab109547)

Dot blot analysis of Paxillin (phospho Y118) phospho peptide (Lane 1) and Paxillin phospho peptide (Lane 2) labelling Paxillin (phospho Y118) with ab109547 at a dilution of 1/1000. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) was used as the secondary antibody at a dilution of 1/20,000. Blocking buffer: 5% NFDM/BST. Dilution buffer: 5% NFDM /TBST.



Western blot - Anti-Paxillin (phospho Y118) antibody
[EPR1903] (ab109547)

All lanes : Anti-Paxillin (phospho Y118) antibody [EPR1903]
(ab109547) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : HeLa cell lysate treated with pervanadate

Lysates/proteins at 10 µg per lane.

Predicted band size: 65 kDa

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-Paxillin (phospho Y118) antibody [EPR1903]
(ab109547)

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