

Product datasheet

Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] - BSA and Azide free ab238957

Recombinant RabMAb

7 Images

Overview

Product name	Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] - BSA and Azide free
Description	Rabbit monoclonal [EP2122Y] to Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) - BSA and Azide free
Host species	Rabbit
Specificity	ab238957 will detect Ezrin, Radixin and Moesin. This antibody detects the phosphorylated target and not the non-phosphorylated epitope.
Tested applications	Suitable for: WB, IHC-P, Dot blot Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC: human breast adenocarcinoma.
General notes	ab238957 is the carrier-free version of ab76247 .

Our **carrier-free** 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.

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.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.

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](#).

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP2122Y
Isotype	IgG

Applications

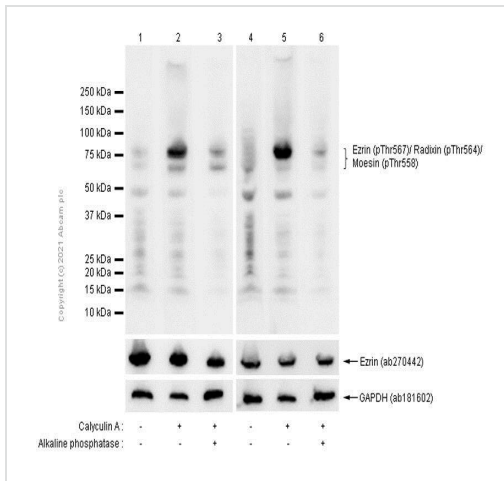
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab238957 in the following tested applications.

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

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 75-81 kDa (predicted molecular weight: 69 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
Dot blot		Use at an assay dependent concentration.

Application notes Is unsuitable for Flow Cyt.

Images



Western blot - Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] - BSA and Azide free (ab238957)

All lanes : Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] (**ab76247**) at 1/1000 dilution

Lane 1 : Untreated HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) starved overnight, then treated with 100nM Calyculin A for 30 minutes whole cell lysate

Lane 3 : HeLa (Human cervix adenocarcinoma epithelial cell) starved overnight, then treated with 100nM Calyculin A for 30 minutes whole cell lysate, then the membrane treated with Alkaline Phosphatase for 1 hour

Lane 4 : Untreated HEK-293 (Human embryonic kidney epithelial cell) whole cell lysate

Lane 5 : EK-293 (Human embryonic kidney epithelial cell) starved overnight, then treated with 100nM Calyculin A for 60 minutes whole cell lysate

Lane 6 : HEK-293 (Human embryonic kidney epithelial cell) starved overnight, then treated with 100nM Calyculin A for 60 minutes whole cell lysate, then the membrane treated with Alkaline Phosphatase for 1 hour

Lysates/proteins at 15 µg per lane.

Secondary

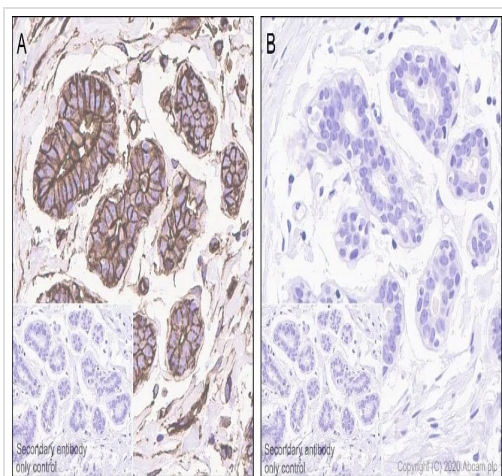
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 69 kDa

Observed band size: 75-81 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76247**).

Blocking and dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] - BSA and Azide free (ab238957)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab76247](#)).

Immunohistochemical analysis of paraffin-embedded human breast tissue labeling Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) with [ab76247](#) at 1/500 (1.64 µg/ml) dilution followed by ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

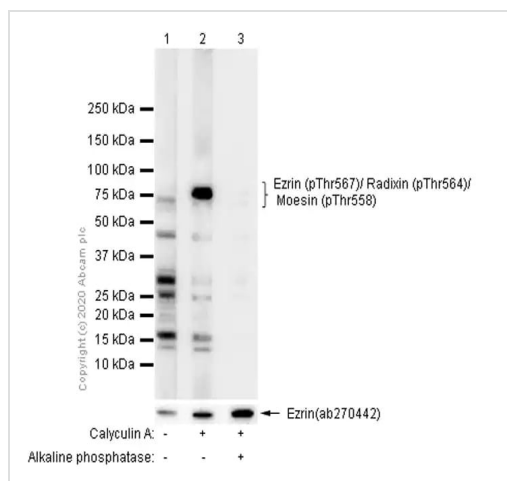
Membranous staining on human breast.

The section was incubated with [ab76247](#) for 30 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument.

Secondary antibody only control: Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

Counterstained with Hematoxylin.



Western blot - Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] - BSA and Azide free (ab238957)

All lanes : Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] ([ab76247](#)) at 1/1000 dilution

Lane 1 : Untreated NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

Lane 2 : Untreated NIH/3T3 (Mouse embryonic fibroblast) treated with 100nM Calyculin A for 30 minutes whole cell lysate

Lane 3 : Untreated NIH/3T3 (Mouse embryonic fibroblast) treated with 100nM Calyculin A for 30 minutes whole cell lysate, then the membrane treated with Alkaline Phosphatase for 1 hour,

Lysates/proteins at 15 µg per lane.

Secondary

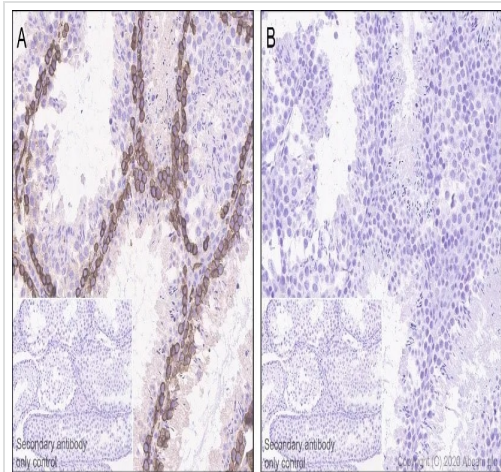
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

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Blocking and dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] - BSA and Azide free (ab238957)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76247**).

Immunohistochemical analysis of paraffin-embedded mouse testis tissue labeling Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) with **ab76247** at 1/500 (1.64 µg/ml) dilution followed by ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

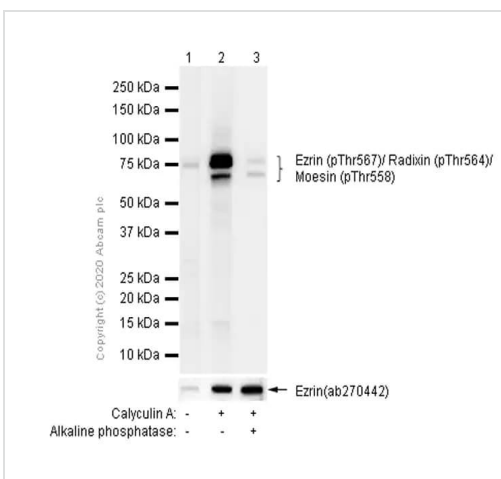
Membranous staining on human breast.

The section was incubated with **ab76247** for 30 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND[®] RX instrument.

Secondary antibody only control: Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

Counterstained with Hematoxylin.



Western blot - Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] - BSA and Azide free (ab238957)

All lanes : Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] (**ab76247**) at 1/1000 dilution

Lane 1 : Untreated C6 (Rat glial tumor glial cell) whole cell lysate

Lane 2 : Untreated C6 (Rat glial tumor glial cell) treated with 100ng/ml Calyculin A for 60 minutes whole cell lysate

Lane 3 : Untreated C6 (Rat glial tumor glial cell) treated with 100ng/ml Calyculin A for 60 minutes whole cell lysate, then the membrane treated with Alkaline Phosphatase for 1 hour,

Lysates/proteins at 15 µg per lane.

Secondary

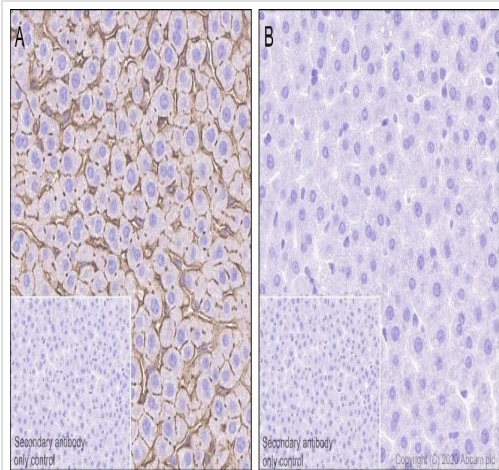
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 69 kDa

Observed band size: 75-81 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76247**).

Blocking and dilution buffer: 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] - BSA and Azide free (ab238957)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76247**).

Immunohistochemical analysis of paraffin-embedded rat liver tissue labeling Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) with **ab76247** at 1/500 (1.64 µg/ml) dilution followed by ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

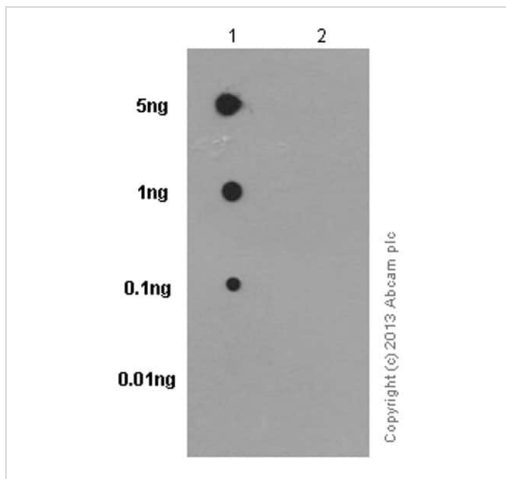
Membranous staining on human breast.

The section was incubated with **ab76247** for 30 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND[®] RX instrument.

Secondary antibody only control: Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

Counterstained with Hematoxylin.



Dot Blot - Anti-Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) antibody [EP2122Y] - BSA and Azide free (ab238957)

Dot blot analysis of Ezrin (pThr567)/ Radixin (pThr564)/ Moesin (pThr558) phospho peptide (Lane 1), Non-phospho peptide (Lane 2), labelling Ezrin (phospho Thr567)/ Radixin (phospho Thr564)/ Moesin (phospho Thr558) with **ab76247** at a dilution of 1/1000. Peroxidase conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody at a dilution of 1/2500.

Blocking and diluting buffer: 5% NFDm/TBST.

Exposure time: 3 minutes.

The sequence of non-phospho peptide: CGRDKYKTLRQIR.

The sequence of phospho peptide: CGRDKYK-pT-LRQIR.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab76247**).

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