

Product datasheet

Anti-Zonula occludens protein 3/ZO3 antibody [EPR13414-152] ab182159

Recombinant RabMAb

[1 Abreviews](#) [2 Images](#)

Overview

Product name	Anti-Zonula occludens protein 3/ZO3 antibody [EPR13414-152]
Description	Rabbit monoclonal [EPR13414-152] to Zonula occludens protein 3/ZO3
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat, Human
Immunogen	within Human Zonula occludens protein 3/ZO3 aa 800 to the C-terminus. The exact sequence is proprietary. Database link: O95049
Positive control	Caco-2, MCF-7 cell lysates. Human fetal kidney tissue lysate.
General notes	

This product was previously labelled as Zonula occludens protein 3

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	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR13414-152
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab182159** 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		1/10000 - 1/50000. Detects a band of approximately 140 kDa (predicted molecular weight: 103 kDa).

Target

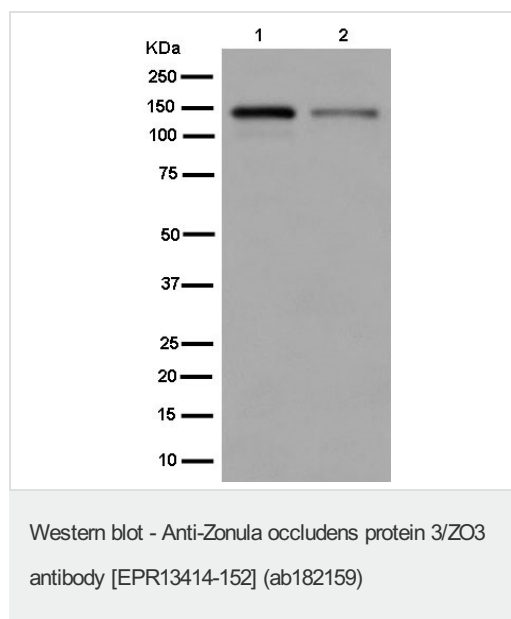
Sequence similarities

- Belongs to the MAGUK family.
- Contains 1 guanylate kinase-like domain.
- Contains 3 PDZ (DHR) domains.
- Contains 1 SH3 domain.

Cellular localization

Cell membrane. Cell junction > tight junction.

Images



All lanes : Anti-Zonula occludens protein 3/ZO3 antibody
[EPR13414-152] (ab182159) at 1/50000 dilution

Lane 1 : Caco-2 cell lysate

Lane 2 : MCF-7 cell lysate

Lysates/proteins at 20 µg per lane.

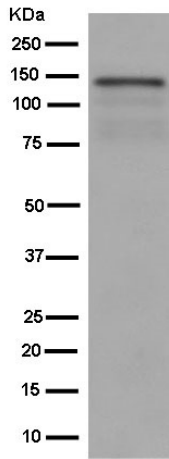
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 103 kDa

Observed band size: 140 kDa

[why is the actual band size different from the predicted?](#)



Western blot - Anti-Zonula occludens protein 3/ZO3 antibody [EPR13414-152] (ab182159)

Anti-Zonula occludens protein 3/ZO3 antibody [EPR13414-152] (ab182159) at 1/10000 dilution + Human fetal kidney tissue lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 103 kDa

Observed band size: 140 kDa [why is the actual band size different from the predicted?](#)

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

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