

Product datasheet

Anti-Nephrin (phospho Y1217) antibody [EPTPG3] - BSA and Azide free ab239894

RabMAb

1 Image

Overview

Product name	Anti-Nephrin (phospho Y1217) antibody [EPTPG3] - BSA and Azide free
Description	Rabbit monoclonal [EPTPG3] to Nephrin (phospho Y1217) - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Dot blot, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide within Mouse Nephrin (phospho Y1217). The exact sequence is proprietary.
General notes	Ab239894 is the carrier-free version of ab80298 . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

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.

ab239894 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

Maxpar® is a trademark of Fluidigm Canada Inc.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as 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	Affinity purified
Clonality	Monoclonal
Clone number	EPTPG3
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab239894** 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		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 138 kDa (predicted molecular weight: 138 kDa).

Target

Function	Seems to play a role in the development or function of the kidney glomerular filtration barrier. Regulates glomerular vascular permeability. May anchor the podocyte slit diaphragm to the actin cytoskeleton. Plays a role in skeletal muscle formation through regulation of myoblast fusion.
Tissue specificity	Specifically expressed in podocytes of kidney glomeruli.
Involvement in disease	Defects in NPHS1 are the cause of nephrotic syndrome type 1 (NPHS1) [MIM:256300]; also known as Finnish congenital nephrosis (CNF). A renal disease characterized clinically by proteinuria, hypoalbuminemia, hyperlipidemia, and edema. Kidney biopsies show non-specific histologic changes such as focal segmental glomerulosclerosis and diffuse mesangial proliferation. Some affected individuals have an inherited steroid-resistant form and progress to

end-stage renal failure.

Sequence similarities

Belongs to the immunoglobulin superfamily.
Contains 1 fibronectin type-III domain.
Contains 8 Ig-like C2-type (immunoglobulin-like) domains.

Developmental stage

In 23-week-old embryo found in epithelial podocytes of the periphery of mature and developing glomeruli.

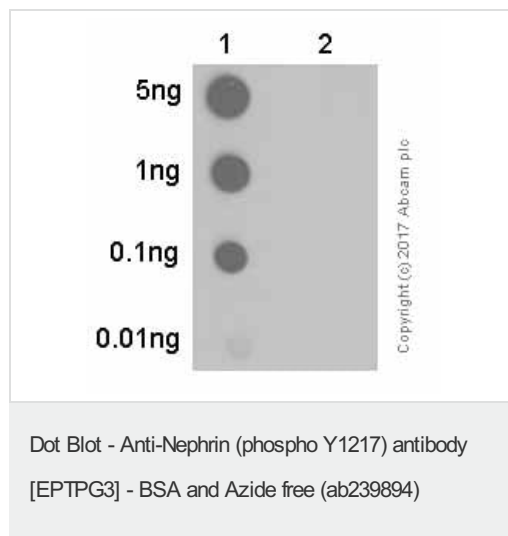
Post-translational modifications

Phosphorylated on tyrosine residues.

Cellular localization

Cell membrane. Predominantly located at podocyte slit diaphragm between podocyte foot processes. Also associated with podocyte apical plasma membrane.

Images



Dot blot analysis of Nephtrin (pY1217) phospho peptide (Lane 1) and Nephtrin non-phospho peptide (Lane 2) labelling Nephtrin (pY1217) with [ab80298](#) 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/TBST. Dilution buffer: 5% NFDm/TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab80298](#)).

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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