

Anti-NPHS2 antibody [EPR13819] - BSA and Azide free ab250681

Recombinant RabMAb

3 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-NPHS2 antibody [EPR13819] - BSA and Azide free |
| Description | Rabbit monoclonal [EPR13819] to NPHS2 - BSA and Azide free |
| Host species | Rabbit |
| Tested applications | Suitable for: IHC-P, WB |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| General notes | <p>ab250681 is the carrier-free version of ab183703.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> |

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 | EPR13819 |
| Isotype | IgG |

Applications

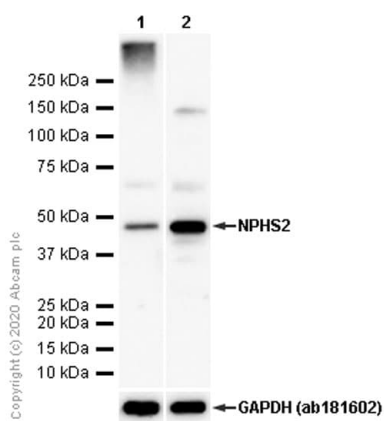
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250681 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|--------------|-----------|---|
| IHC-P | | Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |
| WB | | Use at an assay dependent concentration. Detects a band of approximately 42 kDa (predicted molecular weight: 42 kDa). |

Target

| | |
|-------------------------------|--|
| Function | Plays a role in the regulation of glomerular permeability, acting probably as a linker between the plasma membrane and the cytoskeleton. |
| Tissue specificity | Almost exclusively expressed in the podocytes of fetal and mature kidney glomeruli. |
| Involvement in disease | Defects in NPHS2 are the cause of nephrotic syndrome type 2 (NPHS2) [MIM:600995]. It is a renal disorder characterized clinically by childhood onset of proteinuria, hypoalbuminemia, hyperlipidemia, and edema. Kidney biopsies show non-specific histologic changes such as focal segmental glomerulosclerosis and diffuse mesangial proliferation. The disorder is resistant to steroid treatment and progresses to end-stage renal failure in the first or second decades. Some patients show later onset of the disorder. |
| Sequence similarities | Belongs to the band 7/mec-2 family. |
| Cellular localization | Cell membrane. |

Images



Western blot - Anti-NPHS2 antibody [EPR13819] - BSA and Azide free (ab250681)

All lanes : Anti-NPHS2 antibody [EPR13819] ([ab183703](#)) at 1/1000 dilution

Lane 1 : Human kidney lysates boiled

Lane 2 : Human kidney lysates unboiled

Lysates/proteins at 15 µg per lane.

Secondary

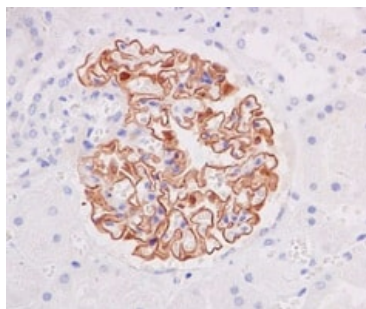
All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 42 kDa

This data was developed using [ab183703](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.

Observed MW: 42kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NPHS2 antibody [EPR13819] - BSA and Azide free (ab250681)

This data was developed using [ab183703](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling NPHS2 with [ab183703](#) at 1/500 dilution followed by pre-diluted HRP-conjugated secondary antibody and counter-stained with Hematoxylin. Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

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

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

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