

Anti-Prealbumin antibody [EPR3219] ab92469

重组 RabMAb

★★★★★ [1 Abreviews](#) [6 References](#) [7 图像](#)

概述

产品名称	Anti-Prealbumin抗体[EPR3219]
描述	兔单克隆抗体[EPR3219] to Prealbumin
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human plasma and placenta lysates. IHC-P: Human liver and kidney tissue, Human choroid plexus papillary carcinoma tissue.
常规说明	<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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified

克隆

单克隆

克隆编号

EPR3219

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab92469于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000 - 1/5000. Predicted molecular weight: 16 kDa.
IHC-P		1/50 - 1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See IHC antigen retrieval protocols . HRP/AP polymerized antibody is recommended for use as a secondary antibody.

应用说明

Is unsuitable for Flow Cyt.

靶标

功能

Thyroid hormone-binding protein. Probably transports thyroxine from the bloodstream to the brain.

组织特异性

Detected in serum and cerebrospinal fluid (at protein level). Highly expressed in choroid plexus epithelial cells. Detected in retina pigment epithelium and liver.

疾病相关

Defects in TTR are the cause of amyloidosis transthyretin-related (AMYL-TTR) [MIM:105210]. A hereditary generalized amyloidosis due to transthyretin amyloid deposition. Protein fibrils can form in different tissues leading to amyloid polyneuropathies, amyloidotic cardiomyopathy, carpal tunnel syndrome, systemic senile amyloidosis. The disease includes leptomeningeal amyloidosis that is characterized by primary involvement of the central nervous system. Neuropathologic examination shows amyloid in the walls of leptomeningeal vessels, in pia arachnoid, and subpial deposits. Some patients also develop vitreous amyloid deposition that leads to visual impairment (oculoleptomeningeal amyloidosis). Clinical features include seizures, stroke-like episodes, dementia, psychomotor deterioration, variable amyloid deposition in the vitreous humor. Defects in TTR are a cause of hyperthyroxinemia dysransthyretinemic euthyroidal (HTDE) [MIM:145680]. It is a condition characterized by elevation of total and free thyroxine in healthy, euthyroid persons without detectable binding protein abnormalities. Defects in TTR are a cause of carpal tunnel syndrome type 1 (CTS1) [MIM:115430]. It is a condition characterized by entrapment of the median nerve within the carpal tunnel. Symptoms include burning pain and paresthesias involving the ventral surface of the hand and fingers which may radiate proximally. Impairment of sensation in the distribution of the median nerve and thenar muscle atrophy may occur. This condition may be associated with repetitive occupational trauma, wrist injuries, amyloid neuropathies, rheumatoid arthritis.

序列相似性

Belongs to the transthyretin family.

结构域

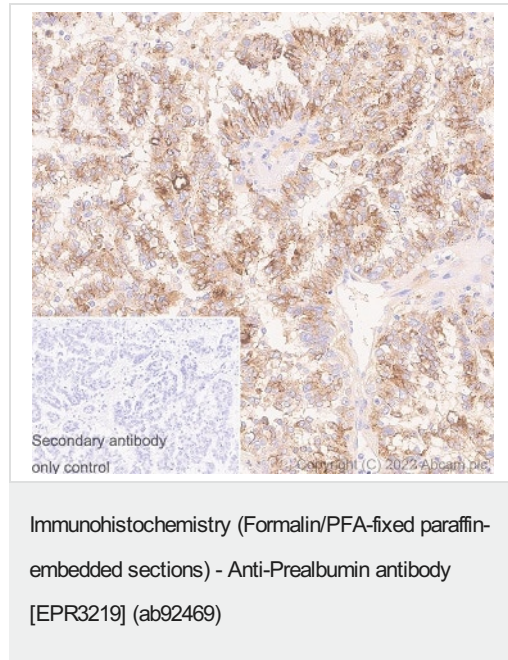
Each monomer has two 4-stranded beta sheets and the shape of a prolate ellipsoid. Antiparallel beta-sheet interactions link monomers into dimers. A short loop from each monomer forms the

main dimer-dimer interaction. These two pairs of loops separate the opposed, convex beta-sheets of the dimers to form an internal channel.

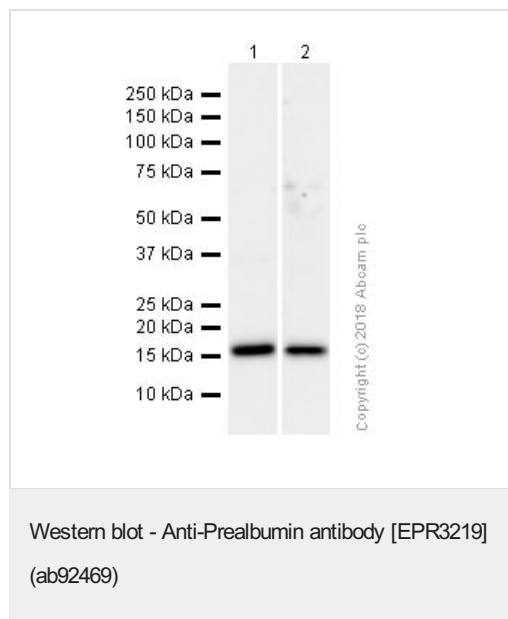
细胞定位

Secreted. Cytoplasm.

图片



Immunohistochemistry analysis of paraffin-embedded Human choroid plexus papillary carcinoma tissue sections labelling Prealbumin with ab92469 at 1/1000 dilution. The section was incubated with ab92469 for 30 mins at room temperature. Ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) was used as the secondary antibody. Sections were counterstained with Hematoxylin. Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 20 minutes. Positive staining on human choroid plexus papillary carcinoma tissue. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



All lanes : Anti-Prealbumin antibody [EPR3219] (ab92469) at 1/1000 dilution (Purified)

Lane 1 : Human plasma lysates

Lane 2 : Human placenta lysates

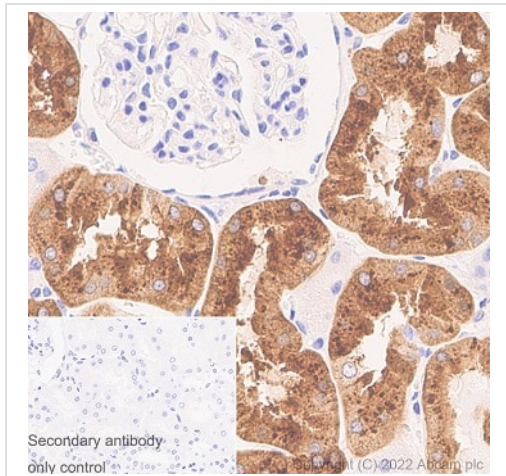
Lysates/proteins at 15 µg per lane.

Secondary

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

Predicted band size: 16 kDa

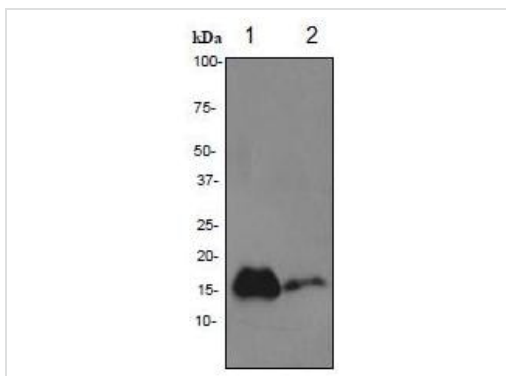
Observed band size: 16 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prealbumin antibody [EPR3219] (ab92469)

Immunohistochemistry analysis of paraffin-embedded Human kidney tissue sections labelling Prealbumin with ab92469 at 1/1000 dilution. The section was incubated with ab92469 for 30 mins at room temperature. Ready to use LeicaDS9800 (Bond™ Polymer Refine Detection) was used as the secondary antibody. Sections were counterstained with Hematoxylin. Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 20 minutes.

Positive staining on human kidney tissue. The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Western blot - Anti-Prealbumin antibody [EPR3219] (ab92469)

All lanes : Anti-Prealbumin antibody [EPR3219] (ab92469) at 1/1000 dilution (unpurified)

Lane 1 : Human plasma lysate

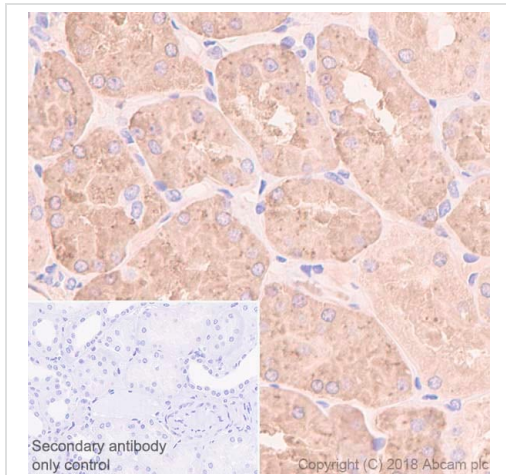
Lane 2 : Human placenta lysate

Lysates/proteins at 10 µg per lane.

Secondary

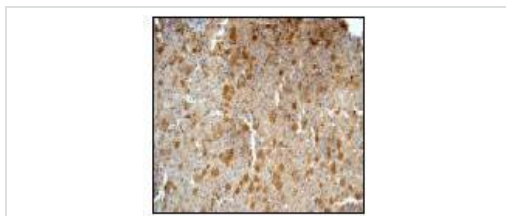
All lanes : HRP labelled goat anti-rabbit IgG at 1/2000 dilution

Predicted band size: 16 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prealbumin antibody [EPR3219] (ab92469)





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human kidney tissue sections labeling Prealbumin with purified ab92469 at 1/50 dilution (2.04 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prealbumin antibody [EPR3219] (ab92469)

ab92469 (unpurified), at a 1/100 dilution, staining Prealbumin in paraffin embedded Human liver tissue by Immunohistochemistry. Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Prealbumin antibody [EPR3219] (ab92469)

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