

Anti-Prealbumin antibody [EPR20971] ab215202

リコンビナント **RabMAb**

1 References [画像数 6](#)

製品の概要

製品名	Anti-Prealbumin antibody [EPR20971]
製品の詳細	Rabbit monoclonal [EPR20971] to Prealbumin
由来種	Rabbit
アプリケーション	適用あり: IHC-P, IHC-Fr, IP 適用なし: ICC/IF or WB
種交差性	交差種: Mouse
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Mouse cerebrum and liver tissues. IHC-Fr: Mouse brain (choroid plexus) and liver tissues. IP: Mouse plasma.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 .

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR20971

アプリケーション

The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab215202の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		1/100. Perform heat-mediated antigen retrieval by using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20). We recommend to optimize primary antibody dilution depending on the tissue being tested.
IP		1/30.

追加情報

Is unsuitable for ICC/IF or WB.

ターゲット情報

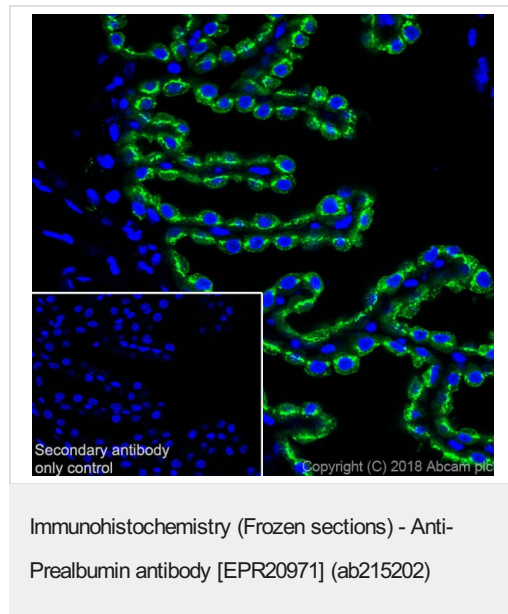
機能	Thyroid hormone-binding protein. Probably transports thyroxine from the bloodstream to the brain.
組織特異性	Detected in serum and cerebrospinal fluid (at protein level). Highly expressed in choroid plexus epithelial cells. Detected in retina pigment epithelium and liver.
関連疾患	Defects in TTR are the cause 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.
配列類似性	Belongs to the transthyretin family.
ドメイン	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.

細胞内局在

Secreted. Cytoplasm.

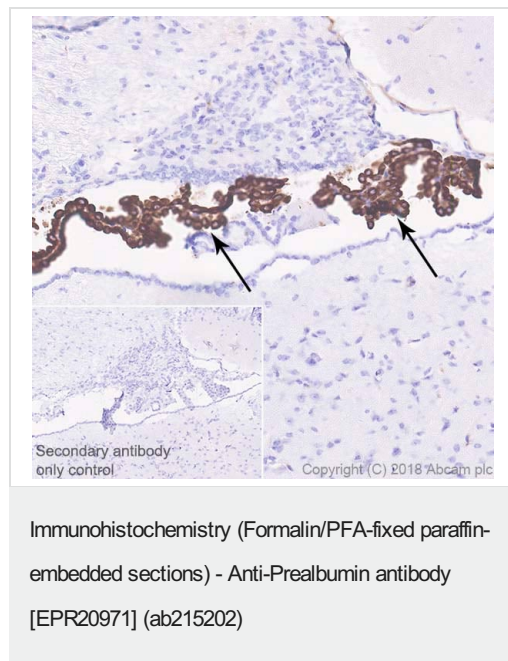
画像



Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse brain (choroid plexus) tissue labeling Prealbumin with ab215202 at 1/10000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Positive cytoplasmic staining in the endothelial cells of choroid plexus, negative staining in the endothelial cells of blood vessels on mouse brain tissue section (PMID: 19539719; 20462362).

The nuclear counter stain is DAPI (blue).

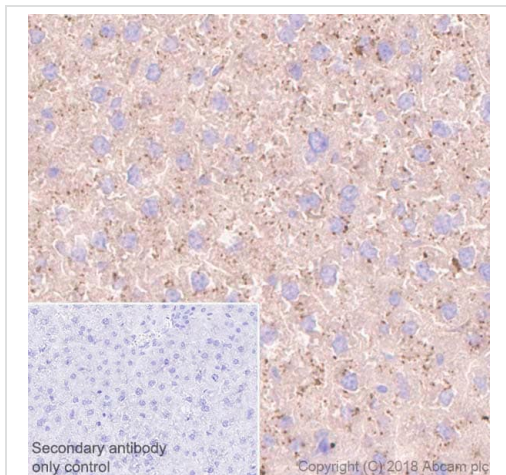
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.



Immunohistochemical analysis of paraffin-embedded mouse cerebrum tissue labeling Prealbumin with ab215202 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), Ready to use. Cytoplasmic staining in choroid plexuses (arrows) of mouse cerebrum (PMID: 25758461; PMID: 19032346). Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP), Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

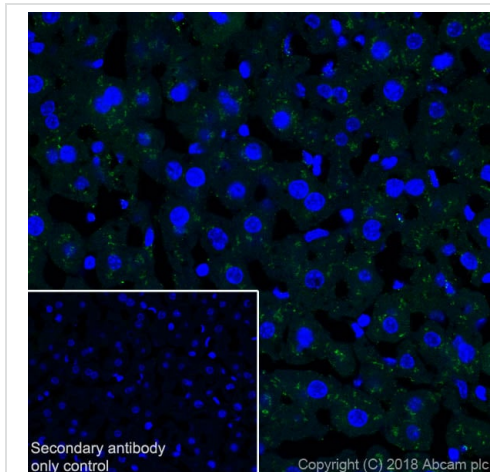


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prealbumin antibody [EPR20971] (ab215202)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue labeling Prealbumin with ab215202 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), Ready to use. Cytoplasmic staining in mouse liver (PMID: 25519307; PMID: 19032346). Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP), Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

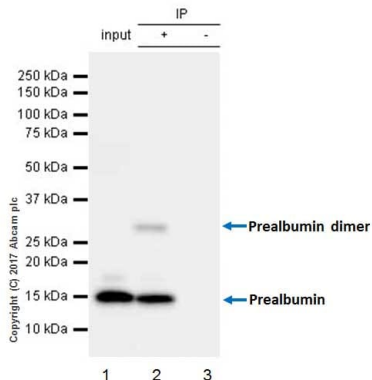


Immunohistochemistry (Frozen sections) - Anti-Prealbumin antibody [EPR20971] (ab215202)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse liver tissue labeling Prealbumin with ab215202 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Positive cytoplasmic staining in the hepatic cells of mouse liver tissue section (PMID: 25519307).

The nuclear counter stain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution.



Immunoprecipitation - Anti-Prealbumin antibody
[EPR20971] (ab215202)

Prealbumin was immunoprecipitated from 0.35 mg of mouse plasma with ab215202 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab215202 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/5000 dilution

Lane 1: Mouse plasma 10 µg (Input).

Lane 2: ab215202 IP in mouse plasma.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab215202 in mouse plasma.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 15 seconds.

The band shown at 30 kDa is likely to be a dimer of Prealbumin based on the literature (PMID: 19279259).

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Anti-Prealbumin antibody [EPR20971] (ab215202)

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