

Anti-Serotonin transporter antibody [EPR23530-3] - BSA and Azide free ab275094

リコンビナント RabMAb

画像数 8

製品の概要

製品名	Anti-Serotonin transporter antibody [EPR23530-3] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR23530-3] to Serotonin transporter - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: IHC-Fr, IP, IHC-P 適用なし: Flow Cyt, ICC/IF or WB
種交差性	交差種: Mouse, Rat
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Mouse and rat cerebrum tissue. IHC-Fr: Mouse cerebrum tissue. IP: Mouse and rat brain tissue lysate.
特記事項	<p>ab275094 is the carrier-free version of ab254358.</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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR23530-3
アイソタイプ	IgG

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ab275094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-Fr		Use at an assay dependent concentration. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

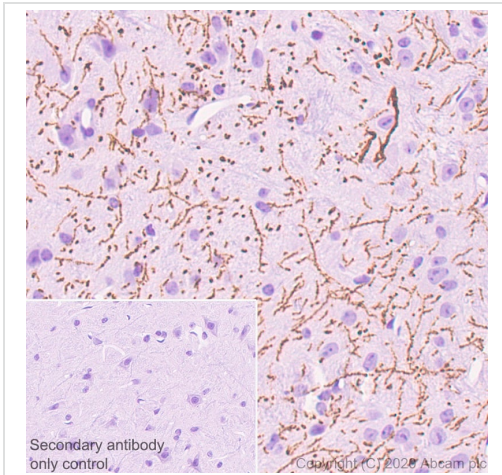
追加情報 Is unsuitable for Flow Cyt, ICC/IF or WB.

ターゲット情報

機能	Serotonin transporter whose primary function in the central nervous system involves the regulation of serotonergic signaling via transport of serotonin molecules from the synaptic cleft back into the pre-synaptic terminal for re-utilization. Plays a key role in mediating regulation of the availability of serotonin to other receptors of serotonergic systems. Terminates the action of serotonin and recycles it in a sodium-dependent manner.
組織特異性	Expressed in platelets (at protein level).
配列類似性	Belongs to the sodium:neurotransmitter symporter (SNF) (TC 2.A.22) family. SLC6A4 subfamily.
翻訳後修飾	Glycosylated; modification with sialylated N-glycans is a requirement for transporters to associate with each other and to function as homooligomeric forms. Phosphorylated at Ser-611, Thr-613 and Thr-616.
細胞内局在	Cell membrane. Endomembrane system. Endosome membrane. Translocates from intracellular locations to the plasma membrane. Density of transporter molecules on the plasma membrane is

itself regulated by serotonin.

画像



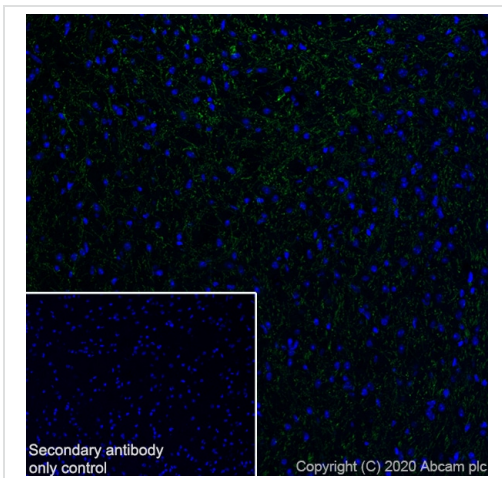
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Serotonin transporter antibody [EPR23530-3] - BSA and Azide free (ab275094)

This data was developed using [ab254358](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded mouse cerebrum tissue labeling Serotonin transporter with [ab254358](#) at 1/2000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Positive staining on mouse cerebrum (PMID 23127756). The section was incubated with [ab254358](#) for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.



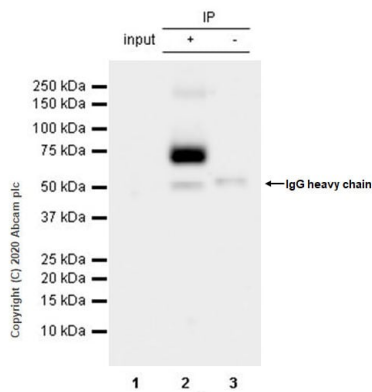
Immunohistochemistry (Frozen sections) - Anti-Serotonin transporter antibody [EPR23530-3] - BSA and Azide free (ab275094)

This data was developed using [ab254358](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse cerebrum tissue labeling Serotonin transporter with [ab254358](#) at 1/50 dilution followed by [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) at 1/1000 dilution (Green). Positive staining on synapses of neurons in mouse cerebrum is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



Immunoprecipitation - Anti-Serotonin transporter antibody [EPR23530-3] - BSA and Azide free (ab275094)

This data was developed using [ab254358](#), the same antibody clone in a different buffer formulation.

Serotonin transporter was immunoprecipitated from 0.35 mg mouse brain tissue lysate with [ab254358](#) at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using [ab254358](#) at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)([ab131366](#)) was used at 1/5000 dilution.

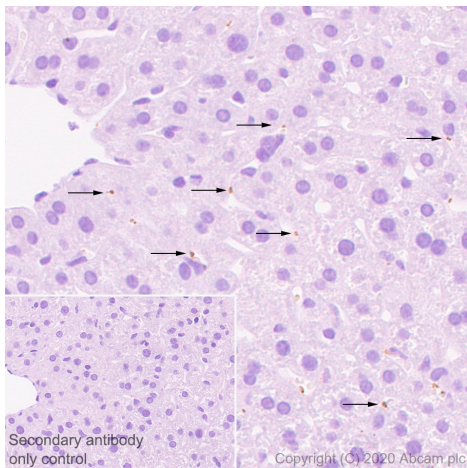
Lane 1: Mouse brain tissue lysate 10 µg

Lane 2: [ab254358](#) IP in mouse brain tissue lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of [ab254358](#) in mouse brain tissue lysate

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

Exposure time: 15 seconds.



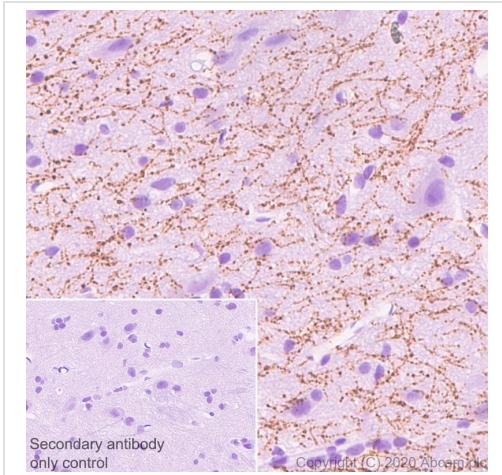
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Serotonin transporter antibody [EPR23530-3] - BSA and Azide free (ab275094)

This data was developed using [ab254358](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded mouse liver tissue labeling Serotonin transporter with [ab254358](#) at 1/2000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Positive staining on platelets and **negative staining on hepatocytes** of mouse liver (PMID: 7869097). The section was incubated with [ab254358](#) for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.



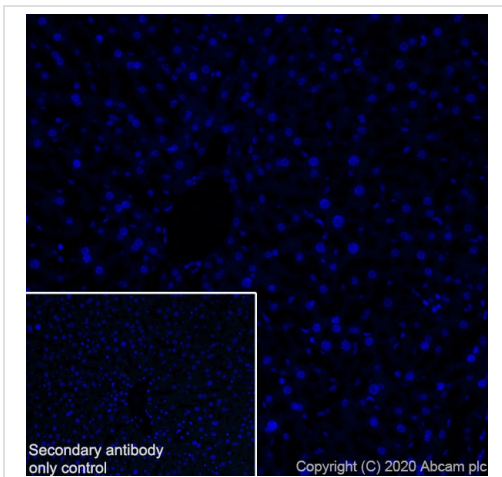
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Serotonin transporter antibody [EPR23530-3] - BSA and Azide free (ab275094)

This data was developed using **ab254358**, the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded rat cerebrum tissue labeling Serotonin transporter with **ab254358** at 1/2000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on rat cerebrum (PMID 23127756). The section was incubated with **ab254358** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.



Immunohistochemistry (Frozen sections) - Anti-Serotonin transporter antibody [EPR23530-3] - BSA and Azide free (ab275094)

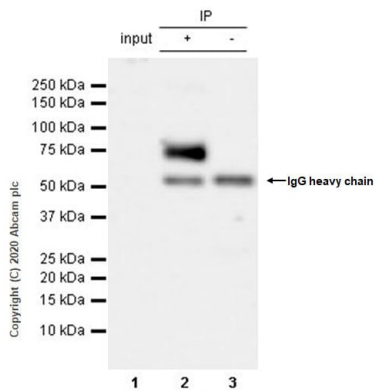
This data was developed using **ab254358**, the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse liver tissue labeling Serotonin transporter with **ab254358** at 1/50 dilution followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) at 1/1000 dilution (Green). The nuclear counterstain was DAPI (Blue).

Negative control: No staining on mouse liver (PMID: 9037532) is observed.

Secondary antibody control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor[®] 488) at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



Immunoprecipitation - Anti-Serotonin transporter antibody [EPR23530-3] - BSA and Azide free (ab275094)

This data was developed using **ab254358**, the same antibody clone in a different buffer formulation.

Serotonin transporter was immunoprecipitated from 0.35 mg rat brain tissue lysate with **ab254358** at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using **ab254358** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

Lane 1: Rat brain tissue lysate 10 µg


Lane 2: **ab254358** IP in rat brain tissue lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab254358** in rat brain tissue lysate

Blocking and dilution buffer and concentration: 5% NFD/MTBST.

Exposure time: 33 seconds.

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

Anti-Serotonin transporter antibody [EPR23530-3] - BSA and Azide free (ab275094)

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

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