


Anti-Serotonin transporter antibody ab172884

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製品の概要

製品名	Anti-Serotonin transporter antibody
製品の詳細	Rabbit polyclonal to Serotonin transporter
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Mouse, Rat 交差が予測される動物種: Sheep, Cow, Human, Chimpanzee, Macaque monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide corresponding to Rat Serotonin transporter aa 200-300 conjugated to keyhole limpet haemocyanin. Database link: P31652
ポジティブ・コントロール	This antibody gave a positive signal in the following tissue lysates: Mouse Serotonergic Nucleus; Rat Serotonergic Nucleus; Mouse Substantia Nigra; Rat Substantia Nigra; Rat Cerebellum.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

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 or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

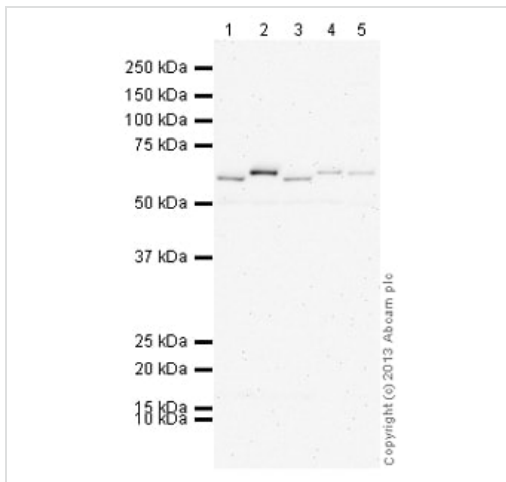
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab172884の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 60,62 kDa (predicted molecular weight: 70 kDa).

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



Western blot - Anti-Serotonin transporter antibody (ab172884)

All lanes : Anti-Serotonin transporter antibody (ab172884) at 1 µg/ml (Milk blocking - 3%)

Lane 1 : Mouse Serotonergic Nucleus Tissue Lysate

Lane 2 : Rat Serotonergic Nucleus Tissue Lysate

Lane 3 : Mouse Substantia Nigra Tissue Lysate

Lane 4 : Rat Substantia Nigra Tissue Lysate

Lane 5 : Cerebellum Rat Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 70 kDa

Observed band size: 60,62 kDa

Exposure time: 16 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% Milk before being incubated with ab172884 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.

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