

HRP Anti-Synaptophysin antibody [YE269] ab195520

リコンビナント **RabMAb**

画像数 3

製品の概要

製品名	HRP Anti-Synaptophysin antibody [YE269]
製品の詳細	HRP Rabbit monoclonal [YE269] to Synaptophysin
由来種	Rabbit
標識	HRP
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as ab189853)
ポジティブ・コントロール	WB: PC12 cell lysate, mouse brain and rat brain lysates. IHC-P: normal human pancreas tissue.
特記事項	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <u>RabMAb[®] patents</u> .

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. Avoid freeze / thaw cycle. Store In the Dark.
バッファー	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	YE269
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ab195520の使用に適用されます

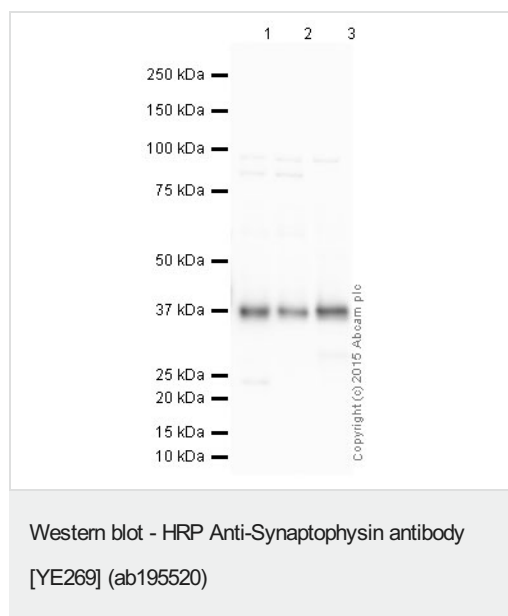
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		1/10000. Detects a band of approximately 37 kDa (predicted molecular weight: 34 kDa).Can be blocked with <u>Synaptophysin peptide (ab189853)</u> .
IHC-P		1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

機能	Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane. Involved in the regulation of short-term and long-term synaptic plasticity.
組織特異性	Characteristic of a type of small (30-80 nm) neurosecretory vesicles, including presynaptic vesicles, but also vesicles of various neuroendocrine cells of both neuronal and epithelial phenotype.
関連疾患	Mental retardation, X-linked, SYP-related
配列類似性	Belongs to the synaptophysin/synaptobrevin family. Contains 1 MARVEL domain.
ドメイン	The calcium-binding activity is thought to be localized in the cytoplasmic tail of the protein.
翻訳後修飾	Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation.
細胞内局在	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane. Cell junction, synapse, synaptosome.

画像



All lanes : HRP Anti-Synaptophysin antibody [YE269] (ab195520)
at 1/1000 dilution

Lane 1 : PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate

Lane 2 : Brain (Rat) Tissue Lysate

Lane 3 : Brain (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

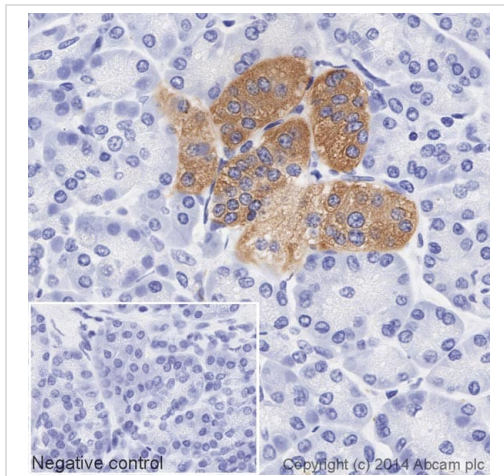
Performed under reducing conditions.

Predicted band size: 34 kDa

Observed band size: 37 kDa

Exposure time: 2 seconds

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 ab195520 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-Synaptophysin antibody [YE269] (ab195520)

IHC image of Synaptophysin staining in a section of formalin-fixed paraffin-embedded normal human pancreas tissue*, performed on a Leica BOND. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab195520 at 1/500 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre.

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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(ab195520)

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