

Product datasheet

Anti-Synaptophysin antibody ab32594

★★★★★ 7 Abreviews 10 References 9 图像

概述

产品名称	Anti-Synaptophysin抗体
描述	兔多克隆抗体to Synaptophysin
宿主	Rabbit
经测试应用	适用于: WB, IHC-FoFr, ICC/IF
种属反应性	与反应: Mouse, Rat, Sheep, Cow, Zebrafish, Apterionotus leptorhynchus 预测可用于: Human
免疫原	Synthetic peptide: GPGGYGPQDSYGPQGGYQPD , corresponding to amino acids 253-272 of Rat Synaptophysin Run BLAST with Run BLAST with
阳性对照	Rat, mouse and bovine brain tissue and sheep retinas.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab32594** in the following tested applications.

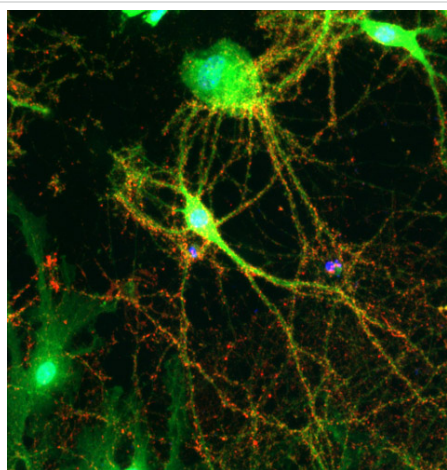
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB	★★★★★	1/5000. Detects a band of approximately 33.8 kDa (predicted molecular weight: 34 kDa).
IHC-FoFr	★★★★★	Use at an assay dependent concentration.
ICC/IF	★★★★☆	Use at an assay dependent concentration.

靶标

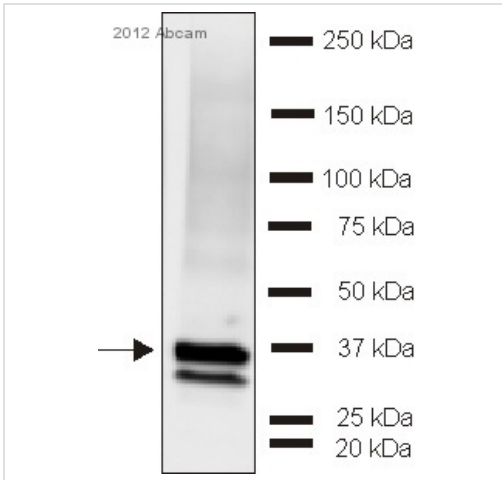
功能	Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane. Involved in the regulation of short-term and long-term synaptic plasticity.
组织特异性	Characteristic of a type of small (30-80 nm) neurosecretory vesicles, including presynaptic vesicles, but also vesicles of various neuroendocrine cells of both neuronal and epithelial phenotype.
疾病相关	Mental retardation, X-linked, SYP-related
序列相似性	Belongs to the synaptophysin/synaptobrevin family. Contains 1 MARVEL domain.
结构域	The calcium-binding activity is thought to be localized in the cytoplasmic tail of the protein.
翻译后修饰	Ubiquitinated; mediated by SIAH1 or SIAH2 and leading to its subsequent proteasomal degradation.
细胞定位	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane. Cell junction, synapse, synaptosome.

图片



ab32594 labelling Synaptophysin by Immunocytochemistry/Immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-Synaptophysin antibody (ab32594)



Western blot - Anti-Synaptophysin antibody (ab32594)

This image is courtesy of an anonymous Abreview

Anti-Synaptophysin antibody (ab32594) at 1/1000 dilution + *Apterionotus leptorhynchus* brain tissue lysate at 50 µg

Secondary

AlexaFluor®488-conjugated goat anti-rabbit polyclonal IgG at 1/1000 dilution

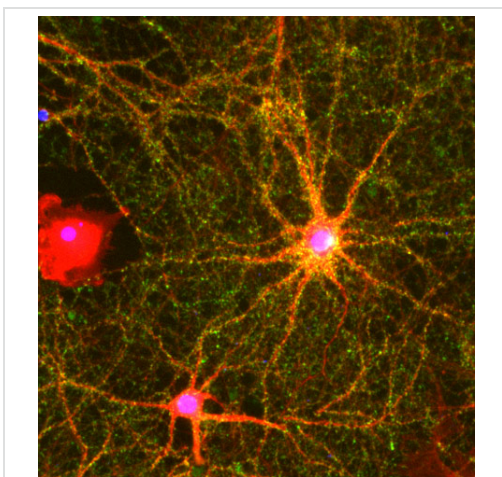
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 34 kDa

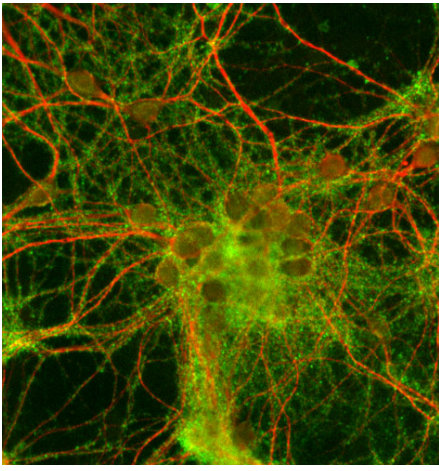
Observed band size: 33,35 kDa

Exposure time: 7 minutes



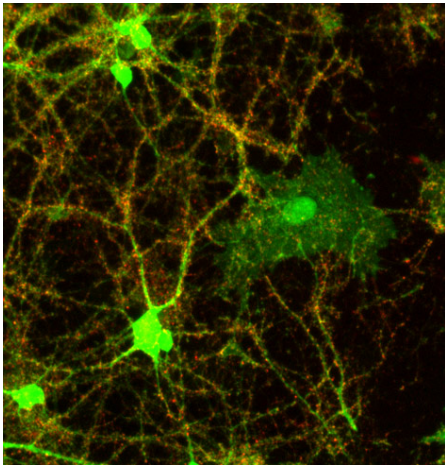
Immunocytochemistry/ Immunofluorescence - Anti-Synaptophysin antibody (ab32594)

ab32594 labelling Synaptophysin by Immunocytochemistry/Immunofluorescence.



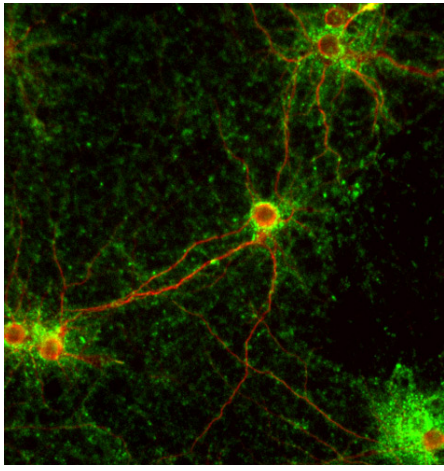
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Immunocytochemistry/ Immunofluorescence - Anti-
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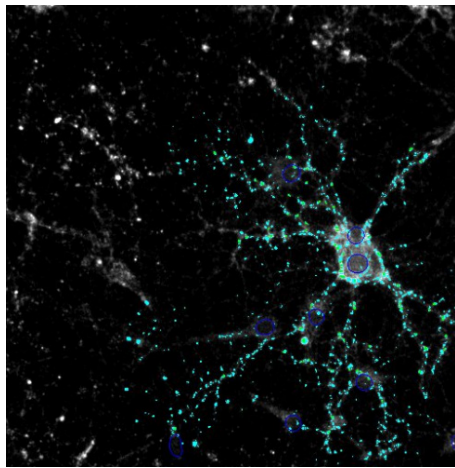
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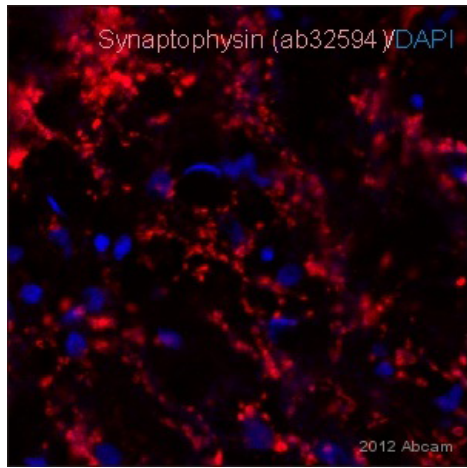


Anti-Synaptophysin antibody (ab32594) at
1/5000 dilution + Rat brain

Predicted band size: 34 kDa

Observed band size: 33.8 kDa

Western blot - Anti-Synaptophysin antibody
(ab32594)



Immunohistochemical analysis of *Apterionotus leptorhynchus* brain tissue, staining Synaptophysin with ab32594.

Tissue was fixed with paraformaldehyde, permeabilized with 0.3% Triton X-100 and blocked with 3% sheep serum, 1% BSA and 1% teleostean gelatine in TBS for 1 hour at 24°. Samples were incubated with primary antibody (1/100 in blocking solution) for 18 hours at 4°C. An AlexaFluor®546-conjugated goat anti-rabbit polyclonal IgG (1/200) was used as the secondary antibody.

Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-Synaptophysin antibody (ab32594)

This image is courtesy of an anonymous Abreview

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