

Anti-Synaptopodin antibody ab224491

★★★★★ [3 Abreviews](#) [11 References](#) [6 图像](#)

概述

产品名称	Anti-Synaptopodin抗体
描述	兔多克隆抗体to Synaptopodin
宿主	Rabbit
经测试应用	适用于: ICC/IF, WB, IHC-P
种属反应性	与反应: Human
免疫原	Recombinant fragment corresponding to Human Synaptopodin aa 450-550. Database link: Q8N3V7
	 Run BLAST with  Run BLAST with
阳性对照	WB: Human skeletal muscle tissue lysate. IHC-P: Human kidney, cerebral cortex and skeletal muscle tissues. ICC/IF: U-2 OS cells.
常规说明	<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>

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab224491于以下的经测试应用

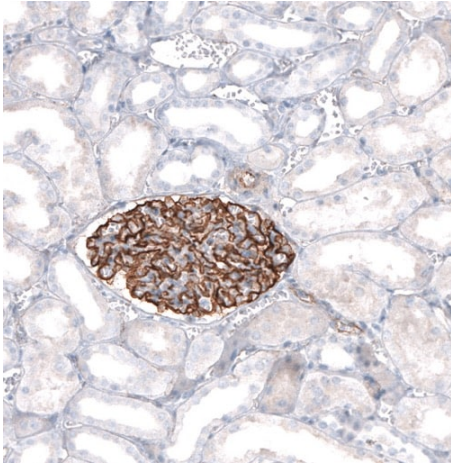
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (2)	Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 99 kDa.
IHC-P	★★★★★ (1)	1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

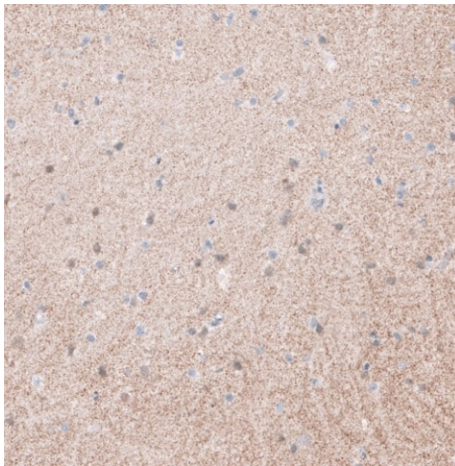
功能	Actin-associated protein that may play a role in modulating actin-based shape and motility of dendritic spines and renal podocyte foot processes. Seems to be essential for the formation of spine apparatuses in spines of telencephalic neurons, which is involved in synaptic plasticity.
组织特异性	Expressed in cerebral cortex.
序列相似性	Belongs to the synaptopodin family.
翻译后修饰	O-glycosylated. Isoform 2 is phosphorylated on Ser-826, Thr-836, Ser-840 and Ser-871.
细胞定位	Cytoplasm > cytoskeleton. Cell junction > tight junction. Perikaryon. Cell projection > dendritic spine. Cell junction > synapse > postsynaptic cell membrane > postsynaptic density. Cell junction > synapse. Localized at the tight junction of cells. In brain, localized to the postsynaptic densities and in the perikarya. Associated with dendritic spines of a subset of synapses.

图片



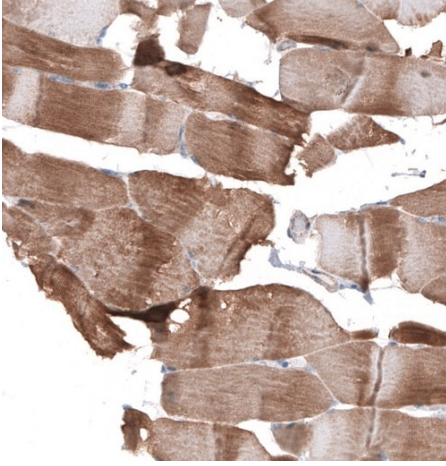
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Synaptopodin antibody (ab224491)

Paraffin-embedded human kidney tissue stained for Synaptopodin using ab224491 at 1/2500 dilution in immunohistochemical analysis.



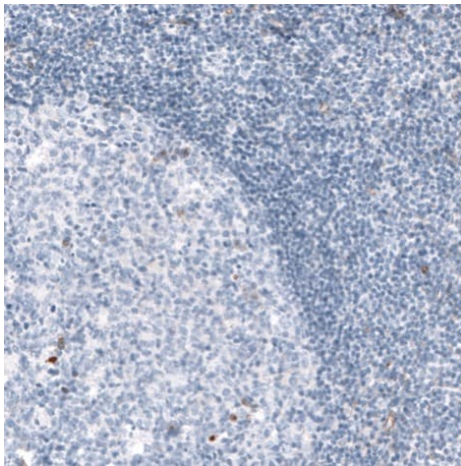
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Synaptopodin antibody (ab224491)

Paraffin-embedded human cerebral cortex tissue stained for Synaptopodin using ab224491 at 1/2500 dilution in immunohistochemical analysis.



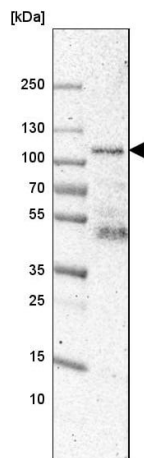
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Synaptopodin antibody (ab224491)

Paraffin-embedded human skeletal muscle tissue stained for Synaptopodin using ab224491 at 1/2500 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Synaptopodin antibody (ab224491)

Negative control: Paraffin-embedded human tonsil tissue stained for Synaptopodin using ab224491 at 1/2500 dilution in immunohistochemical analysis.

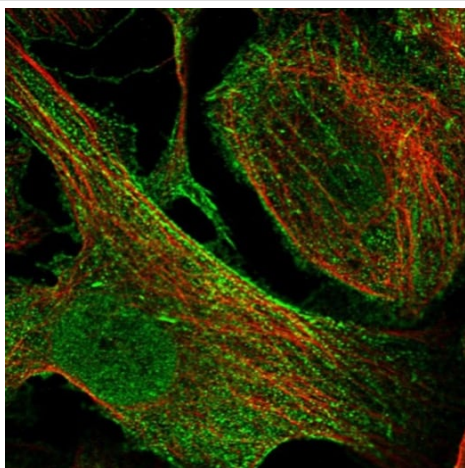


Western blot - Anti-Synaptopodin antibody
(ab224491)

Anti-Synaptopodin antibody (ab224491) at 1/100 dilution + Human skeletal muscle tissue lysate

Developed using the ECL technique.

Predicted band size: 99 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Synaptopodin antibody (ab224491)

PFA-fixed, Triton X-100 permeabilized U-2 OS (human bone osteosarcoma epithelial cell line) cells stained for Synaptopodin (green) using ab224491 at 4 µg/ml in ICC/IF.

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