


Anti-IP3 receptor antibody ab5804

★★★★★ [4 Abreviews](#) [68 References](#) [2 图像](#)

概述

产品名称	Anti-IP3 receptor抗体
描述	兔多克隆抗体to IP3 receptor
宿主	Rabbit
经测试应用	适用于: ICC/IF, IHC-P
种属反应性	与反应: Rat, Human 预测可用于: Cow 
免疫原	Synthetic peptide corresponding to Human IP3 receptor aa 1829-1848. Sequence: NKKKDDEVDRDAPSRKKAKE (Peptide available as ab5839)

 [Run BLAST with](#)

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常规说明

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.

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

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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% 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ab5804于以下的经测试应用

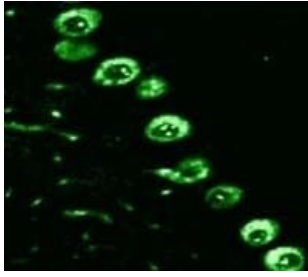
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

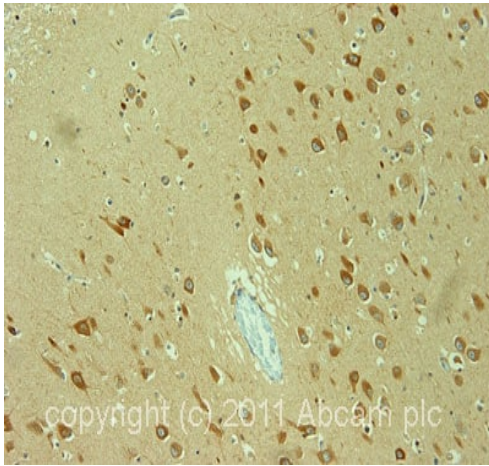
功能	Intracellular channel that mediates calcium release from the endoplasmic reticulum following stimulation by inositol 1,4,5-trisphosphate.
组织特异性	Widely expressed.
疾病相关	Defects in ITPR1 are the cause of spinocerebellar ataxia type 15 (SCA15) (SCA15) [MIM:606658]. Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA15 is an autosomal dominant cerebellar ataxia (ADCA). It is very slow progressing form with a wide range of onset, ranging from childhood to adult. Most patients remain ambulatory.
序列相似性	Belongs to the InsP3 receptor family. Contains 5 MIR domains.
结构域	The receptor contains a calcium channel in its C-terminal extremity. Its large N-terminal cytoplasmic region has the ligand-binding site in the N-terminus and modulatory sites in the middle portion immediately upstream of the channel region.
翻译后修饰	Phosphorylated by cAMP kinase. Phosphorylation prevents the ligand-induced opening of the calcium channels. Phosphorylated on tyrosine residues.
细胞定位	Endoplasmic reticulum membrane.

图片



Immunocytochemistry/ Immunofluorescence - Anti-IP3 receptor antibody (ab5804)

Shows immunolocalization of ITPR1 in rat cerebellum using ab5804.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IP3 receptor antibody (ab5804)

IHC image of ab5804 staining in normal human hippocampus formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab5804, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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.

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

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