


Anti-FOXG1 antibody [mAbcam 51774] ab51774

2 图像

概述

产品名称	Anti-FOXG1抗体[mAbcam 51774]
描述	小鼠单克隆抗体[mAbcam 51774] to FOXG1
宿主	Mouse
经测试应用	适用于: Flow Cyt (Intra), WB
种属反应性	与反应: Human 预测可用于: Rat, Chicken, Cow, Zebrafish 
免疫原	Synthetic peptide within Human FOXG1 aa 400 to the C-terminus conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Peptide available as ab19644 . Database link: P55316 (Peptide available as ab19644)
阳性对照	This antibody gave a positive signal in human brain tissue lysate (ab29466).
常规说明	We can conjugate this antibody to FITC for you (please see ab150200 for details). This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com . 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	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine

纯度	Protein G purified
克隆	单克隆
克隆编号	mAbcam 51774
骨髓瘤	Sp2/0
同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab51774于以下的经测试应用

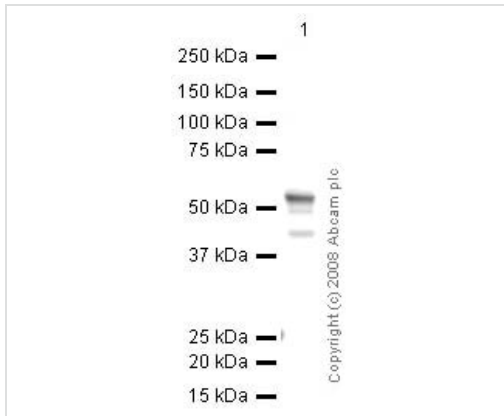
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		Use 0.5-1µg for 10 ⁶ cells. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).

靶标

功能	Transcription repression factor which plays an important role in the establishment of the regional subdivision of the developing brain and in the development of the telencephalon.
组织特异性	Expression is restricted to the neurons of the developing telencephalon.
疾病相关	Defects in FOXC1 are the cause of congenital variant of Rett syndrome (RTTCV) [MIM:613454]. RTTCV is a severe neurodevelopmental disorder with features of classic Rett syndrome but earlier onset in the first months of life. Clinical features include progressive microcephaly, hypotonia, irresponsiveness and irritability in the neonatal period, mental retardation, psychomotor regression and stereotypical movements.
序列相似性	Contains 1 fork-head DNA-binding domain.
细胞定位	Nucleus.

图片



Western blot - Anti-FOXG1 antibody [mAbcam 51774] (ab51774)

Anti-FOXG1 antibody [mAbcam 51774] (ab51774) at 5 µg/ml +
Human brain tissue lysate - total protein ([ab29466](#)) at 10 µg

Secondary

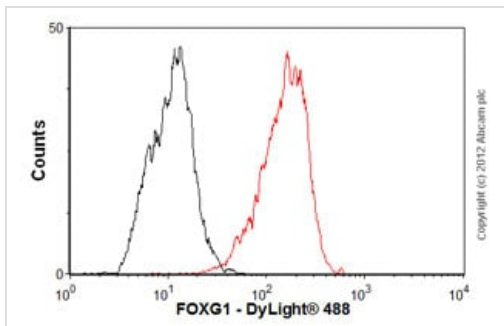
Rabbit polyclonal to Mouse IgG - H&L (HRP) at 1/2000 dilution

Performed under reducing conditions.

Predicted band size: 50 kDa

Observed band size: 50 kDa

Additional bands at: 40 kDa. We are unsure as to the identity of these extra bands.



Flow Cytometry (Intracellular) - Anti-FOXG1 antibody [mAbcam 51774] (ab51774)

Overlay histogram showing SHSY-5Y cells stained with ab51774 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab51774, 1 µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] ([ab91361](#), 1 µg/1x10⁶ cells) used under the same conditions.

Acquisition of >5,000 events was performed.

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