

Product datasheet

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: WB, Flow Cyt
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	This antibody clone is manufactured by Abcam. We can conjugate this antibody to FITC for you (please see ab150200 for details). If you require this antibody in a particular buffer formulation or a particular conjugate for your experiments, please contact orders@abcam.com or you can find further information here .

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	IgG fraction
克隆	单克隆
克隆编号	mAbcam 51774
骨髓瘤	Sp2/0
同种型	IgG2a

应用

Our [Abpromise guarantee](#) covers the use of **ab51774** in the following tested applications.

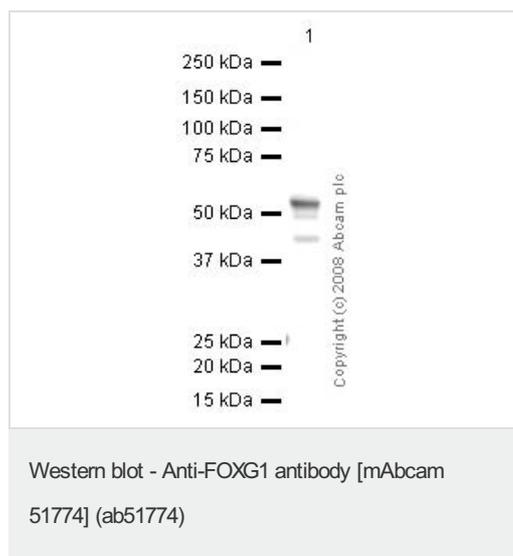
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

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



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

Secondary

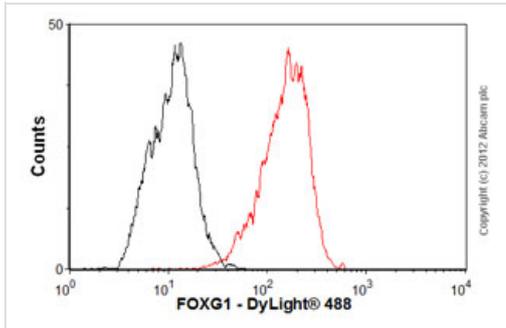
Rabbit polyclonal to Mouse IgG - H&L (HRP) at 1/2000 dilution

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 - 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, 1µg/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, 1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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