


### Anti-FOXG1 antibody [mAbcam 51774] ab51774

画像数 2

#### 製品の概要

製品名	Anti-FOXG1 antibody [mAbcam 51774]
製品の詳細	Mouse monoclonal [mAbcam 51774] to FOXG1
由来種	Mouse
アプリケーション	<b>適用あり:</b> Flow Cyt (Intra), WB
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> 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 <b><u>ab19644</u></b> . Database link: <b><u>P55316</u></b> (Peptide available as <b><u>ab19644</u></b> )
ポジティブ・コントロール	This antibody gave a positive signal in human brain tissue lysate ( <b><u>ab29466</u></b> ).
特記事項	<p>We can conjugate this antibody to FITC for you (please see <b><u>ab150200</u></b> for details).</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <b><u>orders@abcam.com</u></b>.</p> <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&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine

精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	mAbcam 51774
ミエローマ	Sp2/0
アイソタイプ	IgG2a

アプリケーション

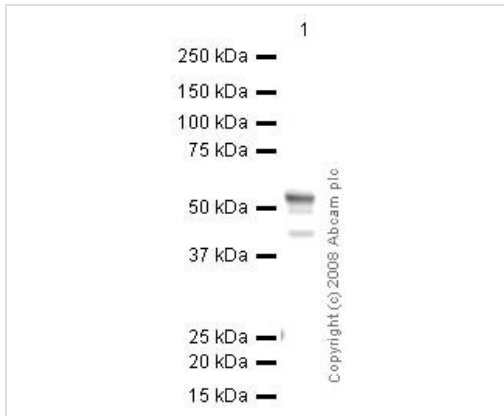
**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab51774の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use 0.5-1µg for 10 <sup>6</sup> cells. <b>ab170191</b> - 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).

ターゲット情報

機能	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.
組織特異性	Expression is restricted to the neurons of the developing telencephalon.
関連疾患	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.
配列類似性	Contains 1 fork-head DNA-binding domain.
細胞内局在	Nucleus.

画像



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

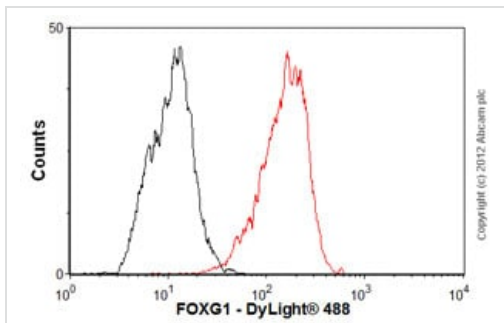
Rabbit polyclonal to Mouse IgG - H&L (HRP) at 1/2000 dilution

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/1x10<sup>6</sup> 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/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed.

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

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